SERVICE INFORMATION

NORDMENDE
THOMSON TECHNOLOGY

VIDEO

COLLECTION

SPECTRAMOVIE
CV 361 / 993.381N

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53 - 40 These instructions are for service dealers only · Subject to modification 183.123

Service-Hinweise

Das Laufwerk, die Videoköpfe und alle Bandführungen benötigen nach ca. 500 Betriebsstunden periodische Reinigung und Pflege, um die normale Leistungsfähigkeit zu erhalten. Die nachstehenden Service-Hinweise sind als Kurzanleitung gedacht.

Pflege und Wartung

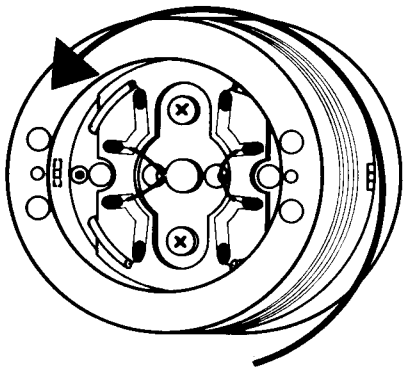
Die folgenden Teile benötigen eine periodische Reinigung und Fettung, um ihre normale Leistungsfähigkeit zu erhalten:

A. Trommelsystem

1. Die oberen und unteren Trommeln, der Löschkopf, die zwei Bandführungen und die zwei Führungsrollen müssen gelegentlich gereinigt werden. Da diese Teile direkten Kontakt mit dem Video-Band haben, nehmen sie leicht Staub an.

   Vorsicht:

   Wenn die Video-Köpfe auf der Kopftrommel gereinigt werden, sind sie nicht in senkrechter Richtung zu bearbeiten. Mit möglichst sanfter Hin- und Rückbewegung in Richtung des Bandweges die Trommel säubern, da die Köpfe aus Ferrit hergestellt sind und leicht zerbrechen können.
2. Zum Reinigen ausschließlich ein staubfreies Ledertuch benutzen, welches mit reinem Alkohol angefeuchtet wurde.
3. Nachdem die Teile mit Alkohol gereinigt wurden, sollten sie einige Zeit trocknen, bevor das Cassetten-Band benutzt wird, da der Alkohol das Band beschädigen könnte.



B. Andruckrolle und Capstan-Welle

1. Staub an der Andruckrolle oder der Capstan-Welle kann deren Funktionsfähigkeit beeinträchtigen.
2. Die Oberfläche der Andruckrolle und die Capstan-Welle sollten mit einer milden Waschmittellösung und einem staubfreien Tuch gereinigt werden.

   Achtung:

   Alkohol kann Gummi angreifen.

Service Instructions

The mechanism, the video heads and all tape guides require periodic cleaning and attention after approximately 500 operating hours to maintain the normal performance capability. The adjacent Service-Notes are to be regarded as abridged instructions.

Cleaning and maintenance

The following parts require a periodic cleaning and lubrication to retain their normal performance.

A. Drum system

1. Clean the upper and lower drums, the full erase head, the two guide poles and the two guide rollers occasionally. Since these parts make direct contact with the video tape they tend to collect dust.

   Caution:

   When cleaning the video heads on the upper drum, DO NOT clean them with vertical strokes. Use only a gentle to and fro movement in the direction of the tape travel. Take great care as the heads are made of ferrite and are very fragile.
2. For cleaning use a chamois leather moistened with pure isopropyl alcohol.
3. After cleaning with alcohol, allow the parts to dry before using a cassette tape. Alcohol can damage the tape.

Reinigung der Kopftrommel
Head drum cleaning

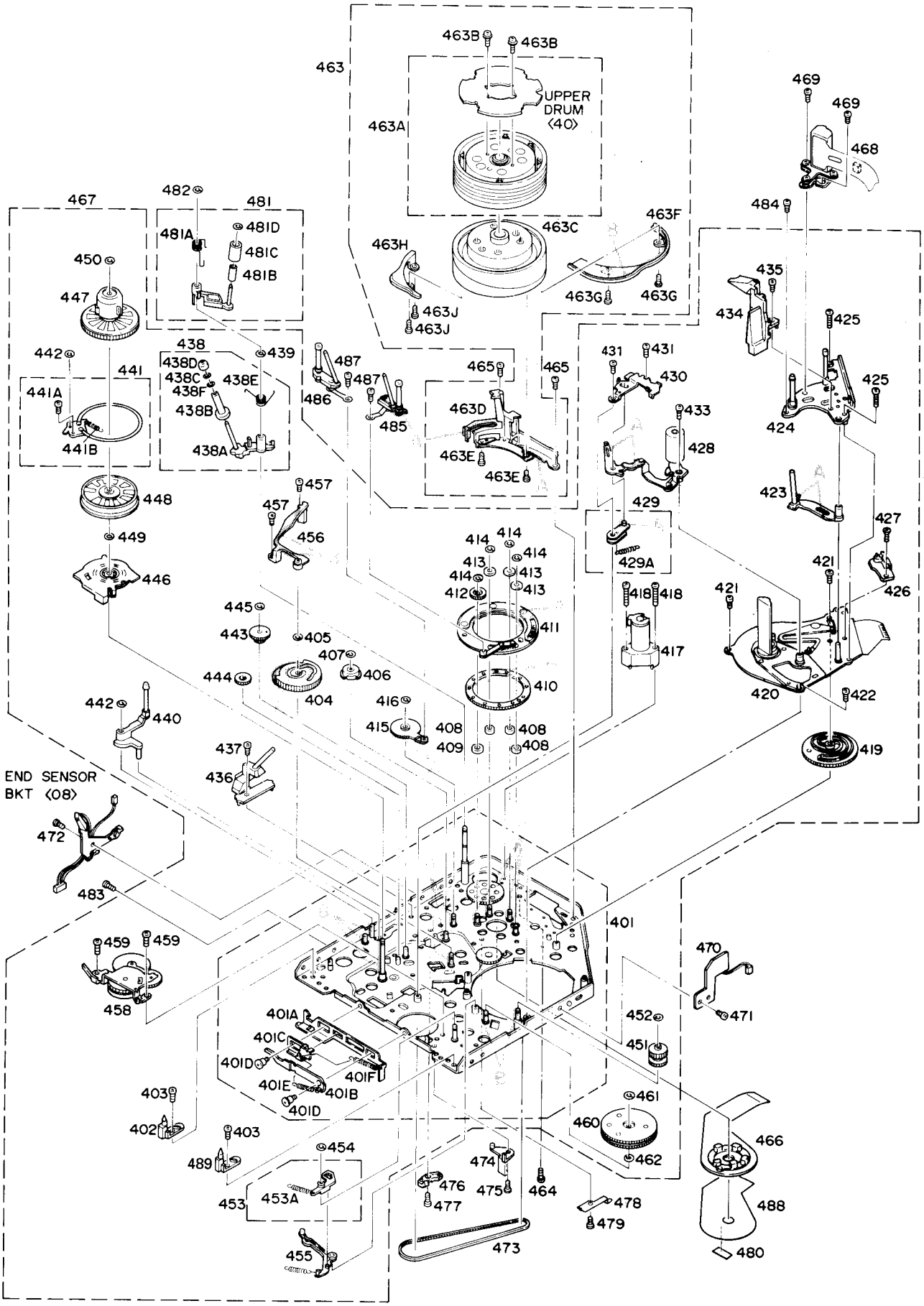
B. Pinch roller and capstan shaft

1. Dust on the pinch roller or the capstan shaft can impair their operation.
2. Clean the pinch roller surface and the capstan shaft with a mild detergent solution and a lint-free cloth.

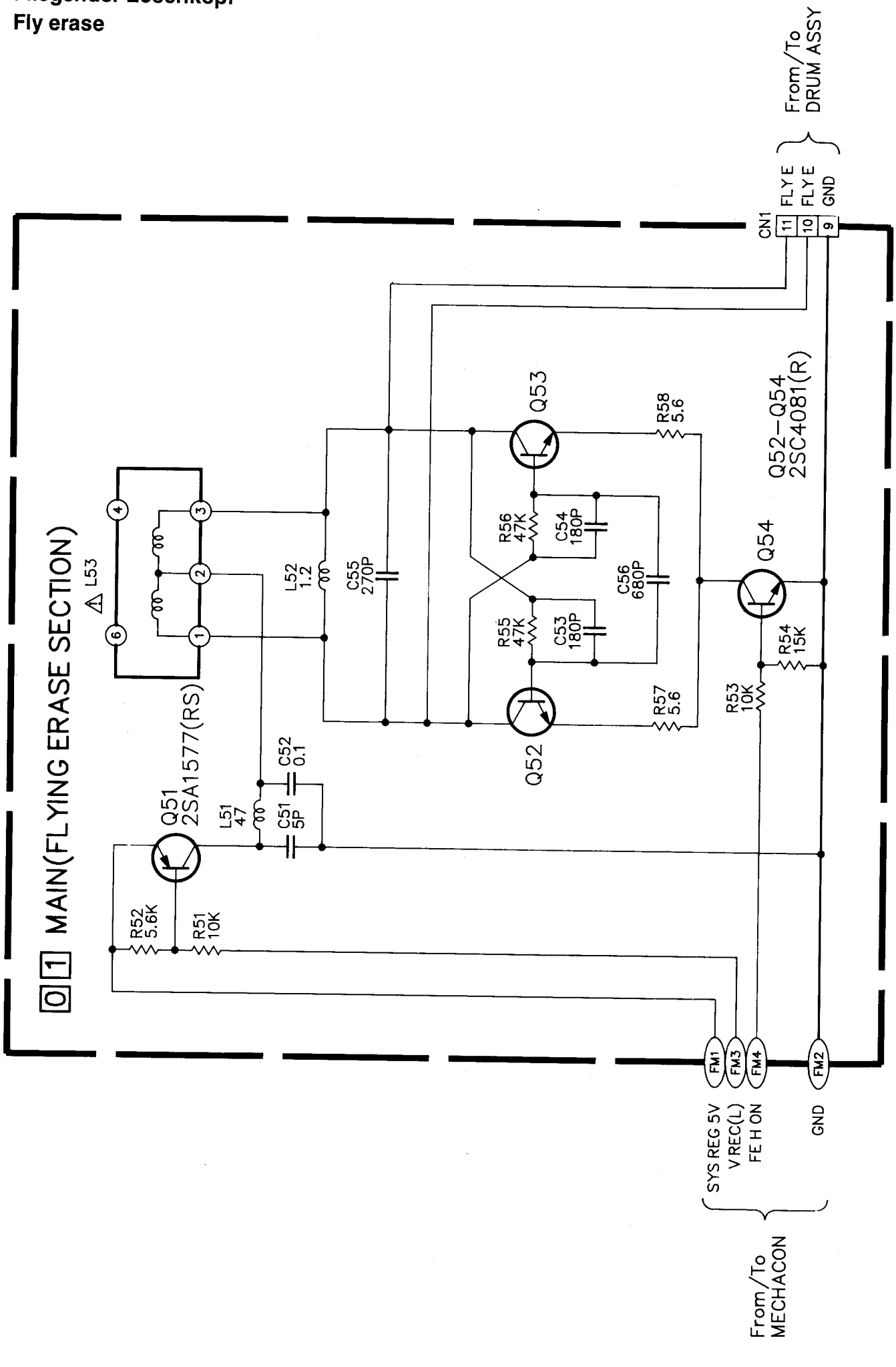
   Note:

   Alcohol can cause rubber to deteriorate.

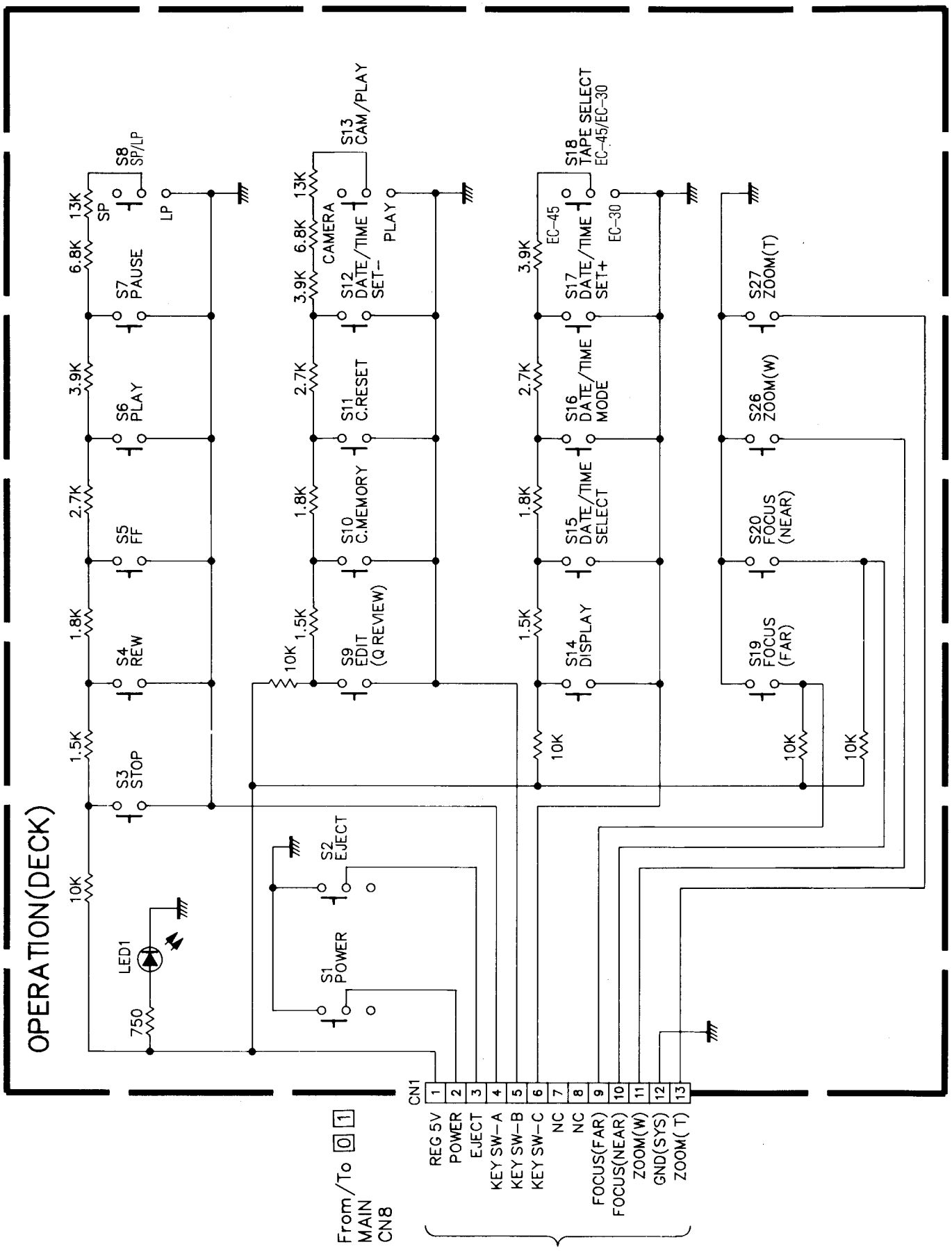
Laufwerk
Mecha deck

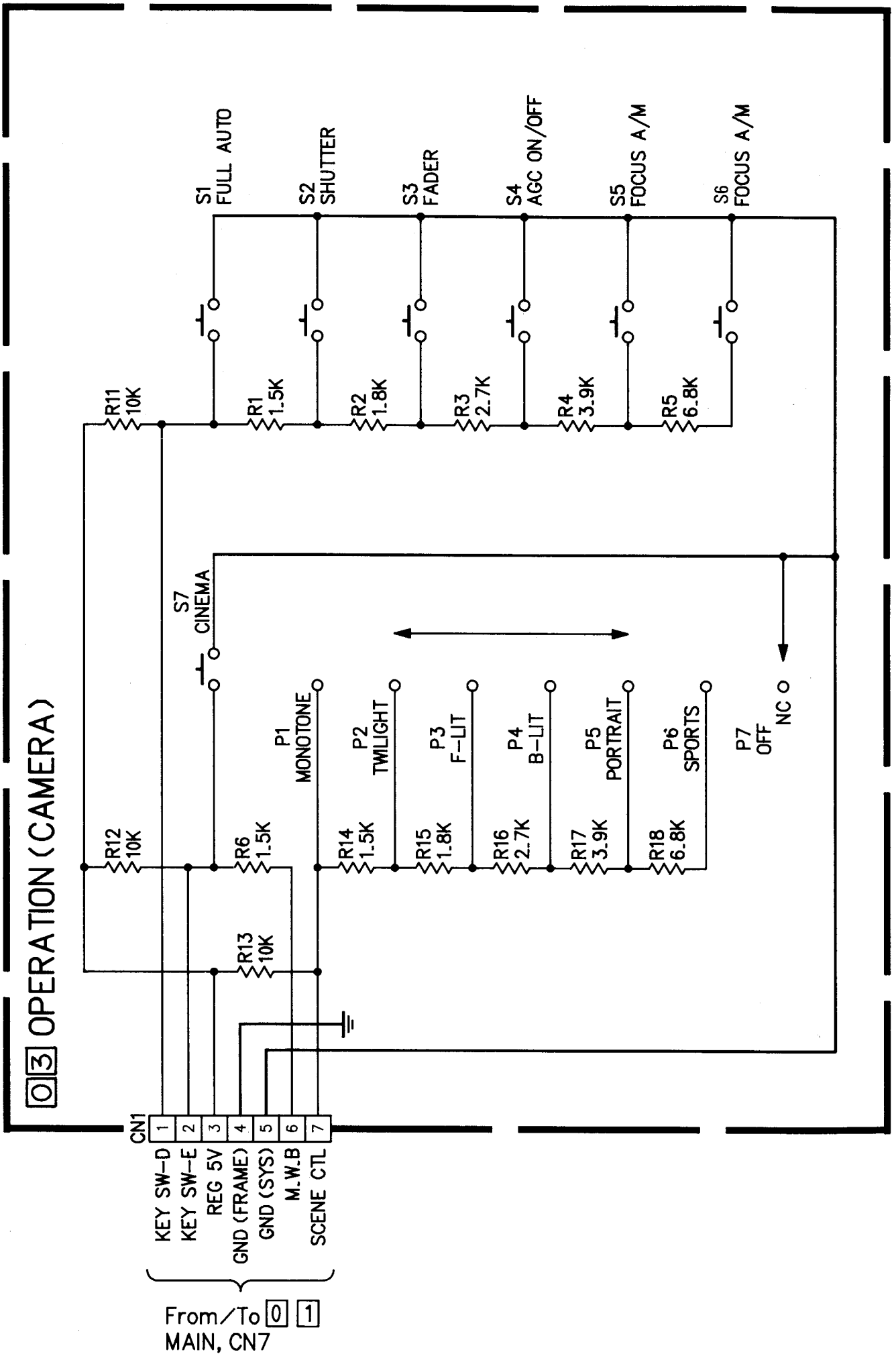


Fliegender Löschkopf
Fly erase

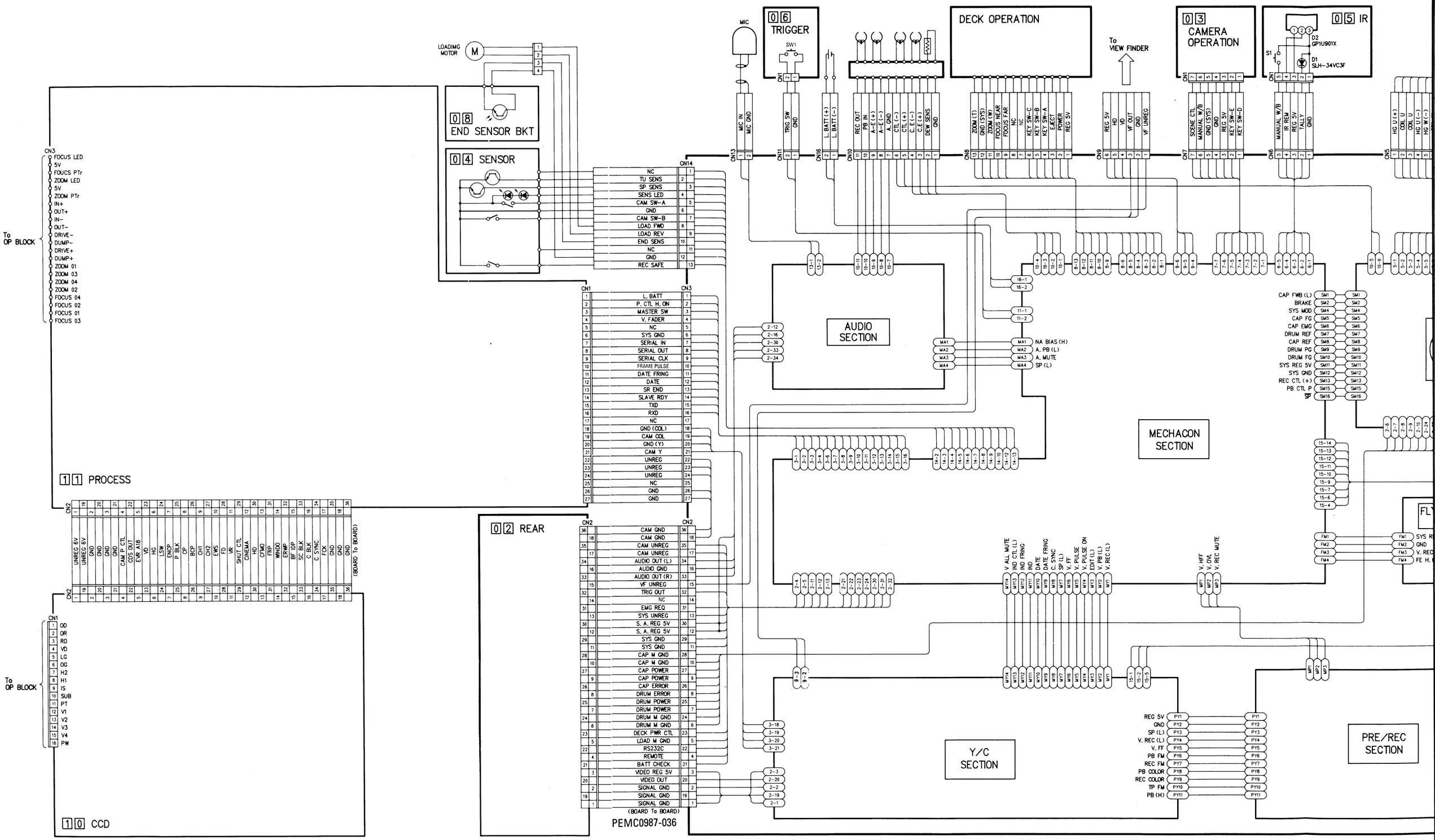


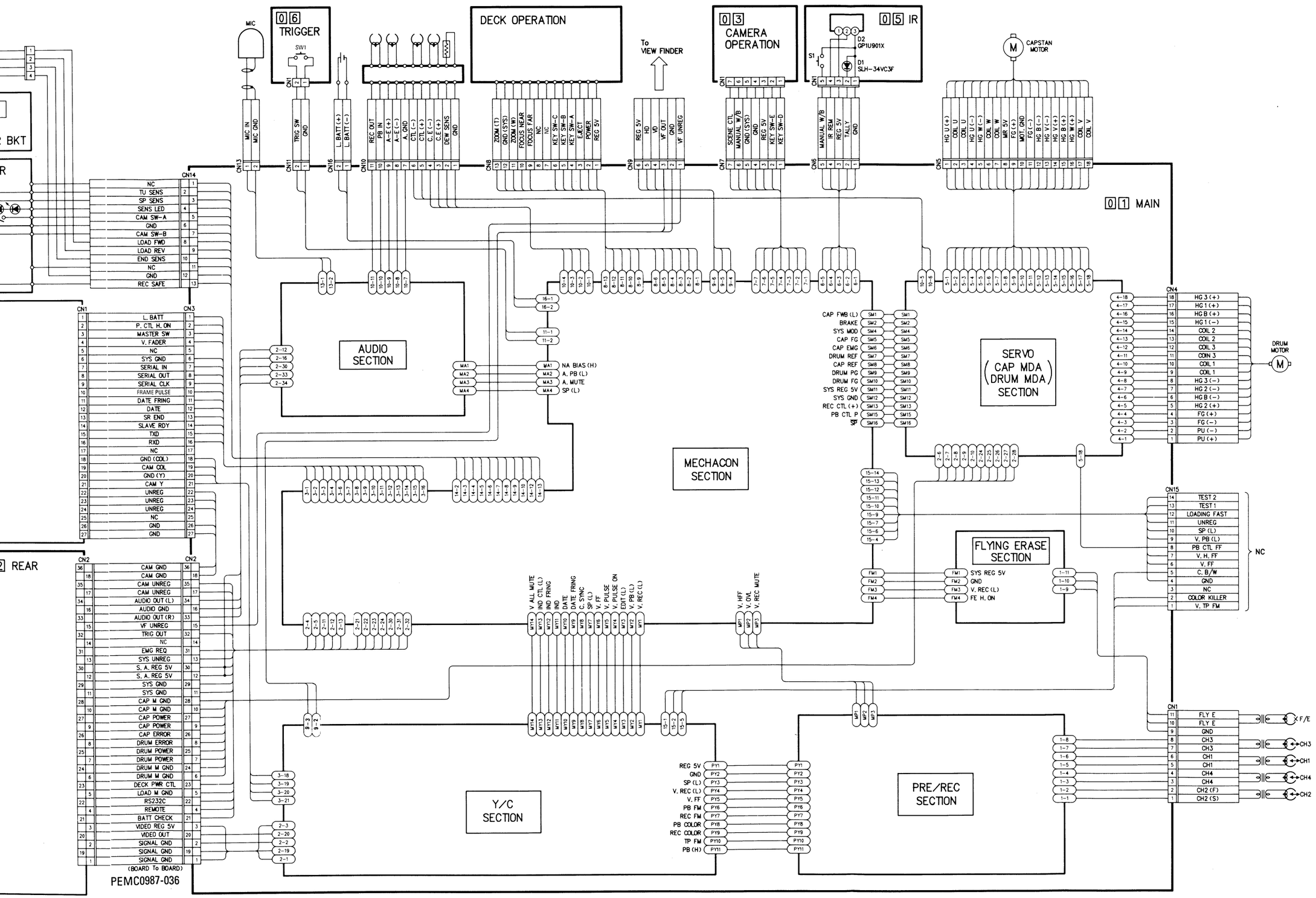
Recorderbedienung
Operation recorder




03 OPERATION (CAMERA)
S1 FULL AUTO
S2 SHUTTER
S3 FADER
S4 AGC ON/OFF
S5 FOCUS A/M
S6 FOCUS A/M
S7 CINEMA
R11 10K
R1 1.5K
R2 1.8K
R3 2.7K
R4 3.9K
R5 6.8K
R12 10K
R6 1.5K
R13 10K
P1 MONOTONE
P2 TWILIGHT
P3 F-LIT
P4 B-LIT
P5 PORTRAIT
P6 SPORTS
P7 OFF
NC
R14 1.5K
R15 1.8K
R16 2.7K
R17 3.9K
R18 6.8K
CN1
1 KEY SW-D
2 KEY SW-E
3 REG 5V
4 GND (FRAME)
5 GND (SYS)
6 M.W.B
7 SCENE CTL
From/To 01
MAIN, CN7

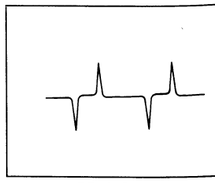
Verdrahtungsplan
Overall wiring diagram




MIC
0 6 TRIGGER
SW1
DECK OPERATION
To VIEW FINDER
0 3 CAMERA OPERATION
0 5 IR
D2 GP1U901X
D1 SLH-34VC3F
S1
CAPSTAN MOTOR
0 1 MAIN
AUDIO SECTION
MECHACON SECTION
SERVO (CAP MDA DRUM MDA) SECTION
FLYING ERASE SECTION
Y/C SECTION
PRE/REC SECTION
DRUM MOTOR
CN1 L. BATT P. CTL H. ON MASTER SW V. FADER NC SYS GND SERIAL IN SERIAL OUT SERIAL CLK FRAME PULSE DATE FRING DATE SR END SLAVE RDY TXD RXD NC GND (COL) CAM COL GND (Y) CAM Y UNREG UNREG UNREG NC GND GND
CN2 CAM GND CAM GND CAM UNREG CAM UNREG AUDIO OUT (L) AUDIO GND AUDIO OUT (R) VF UNREG TRIG OUT NC EMG REQ SYS UNREG S. A. REG 5V S. A. REG 5V SYS GND SYS GND CAP M GND CAP M GND CAP POWER CAP POWER CAP ERROR DRUM ERROR DRUM POWER DRUM POWER DRUM M GND DRUM M GND DECK PWR CTL LOAD M GND RS232C REMOTE BATT CHECK VIDEO REG 5V VIDEO OUT SIGNAL GND SIGNAL GND SIGNAL GND
(BOARD To BOARD)
PEMC0987-036
2 REAR
2 BKT
R
CN14 NC TU SENS SP SENS SENS LED CAM SW-A GND CAM SW-B LOAD FWD LOAD REV END SENS NC GND REC SAFE
CN4 HG 3 (+) HG 1 (+) HG B (+) HG 1 (−) COIL 2 COIL 2 COIL 3 COIN 3 COIL 1 COIL 1 HG 3 (−) HG 2 (−) HG B (−) HG 2 (+) FG (+) FG (−) PU (−) PU (+)
CN15 TEST 2 TEST 1 LOADING FAST UNREG SP (L) V. PB (L) PB CTL FF V. H. FF V. FF C. B/W GND NC COLOR KILLER V. TP FM
NC
CN1 FLY E FLY E GND CH3 CH3 CH1 CH1 CH4 CH4 CH2 (F) CH2 (S)
F/E CH3 CH1 CH4 CH2
CAP FWD (L) BRAKE SYS MOD CAP FG CAP EMG DRUM REF CAP REF DRUM PG DRUM FG SYS REG 5V SYS GND REC CTL (+) PB CTL P SP
NA BIAS (H) A. PB (L) A. MUTE SP (L)
REG 5V GND SP (L) V. REC (L) V. FF PB FM REC FM PB COLOR REC COLOR TP FM PB (H)
SYS REG 5V GND V. REC (L) FE H. ON
V. ALL MUTE IND CTL (L) IND FRING IND DATE DATE FRING C. SYNC SP (L) V. FF V. PULSE V. PULSE ON V. PULSE EDIT (L) V. PB (L) V. REC (L)
V. HFF V. OVL V. REC MUTE

Oszillogramme Serv
Waveforms servo

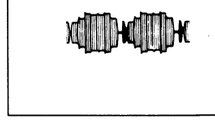
WF1 TP10



PB 1.2 Vp-p

< MAIN (Y/C SECTION)

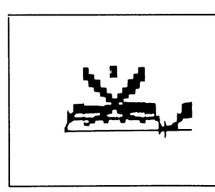
WF1 TP50



REC 0.4 Vp-p

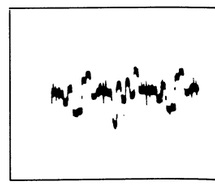
< PROCESS >

WF1 TP



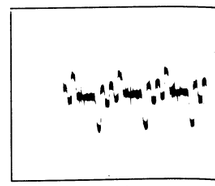
6.0 Vp-p

WF5 IC4-22

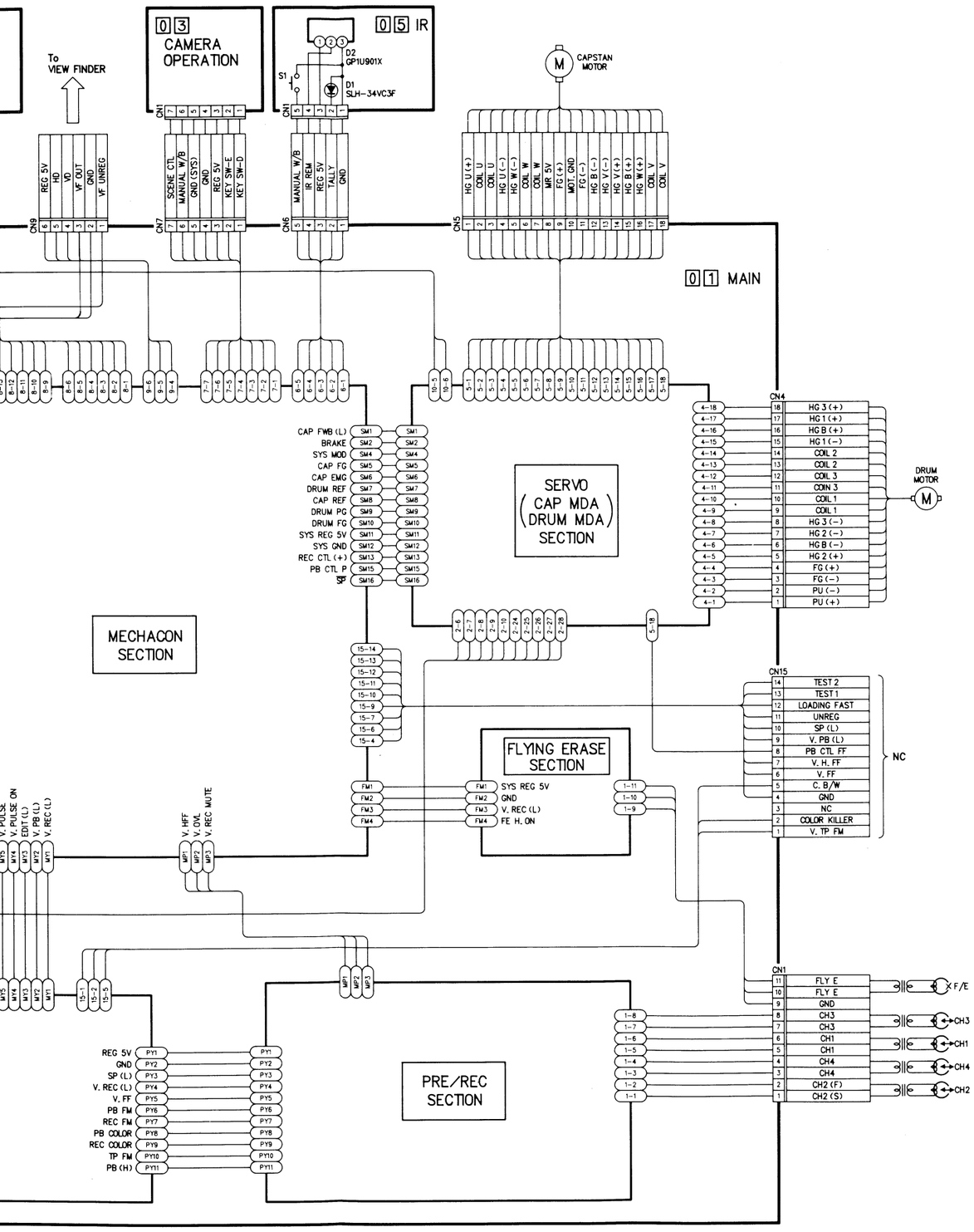


0.4 Vp-p

WF9 IC4-7



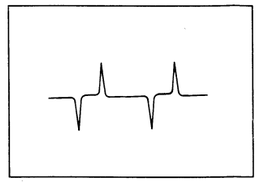
0.3 Vp-p



Oszillogramme Servo
Waveforms servo

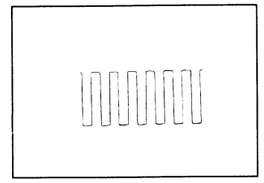
REC: Y/C separator input, color bar SP mode, VHS mode.
PB : Alignment tape, color bar SP mode, VHS mode.

WF1 **TP101**



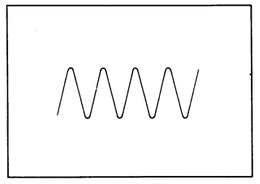
PB 1.2 Vp-p

WF1 **TP101**



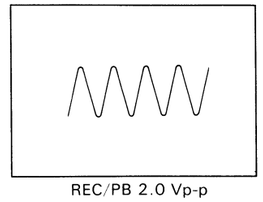
REC 2.5 Vp-p

WF2 **TP202**



REC/PB 2.0 Vp-p

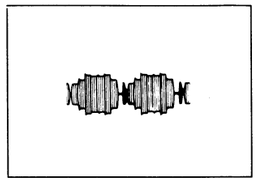
WF3 **TP206**



REC/PB 2.0 Vp-p

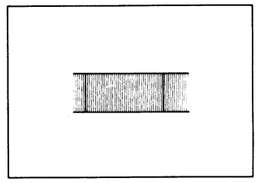
< MAIN (Y/C SECTION) >

WF1 **TP506**



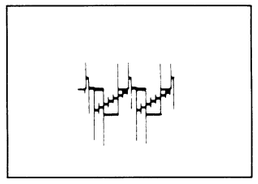
REC 0.4 Vp-p

WF2 **TP501**



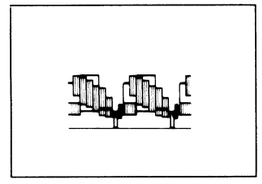
REC 0.8 Vp-p

WF3 **TP503**



REC 1.0 Vp-p

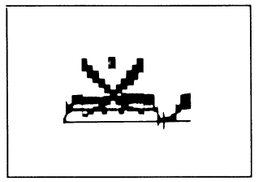
WF4 **TP513**



REC/PB 2.0 Vp-p

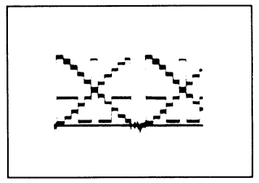
< PROCESS >

WF1 **TP1**



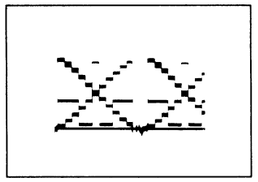
6.0 Vp-p

WF2 **IC4-29**



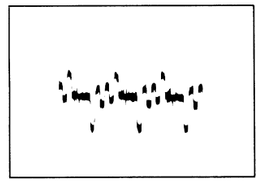
7.0 Vp-p

WF3 **IC4-28**



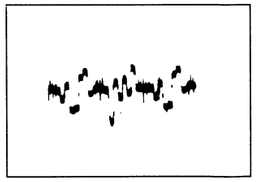
7.0 Vp-p

WF4 **IC4-23**



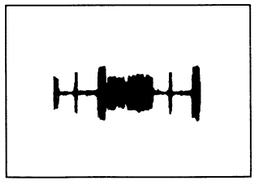
0.6 Vp-p

WF5 **IC4-22**



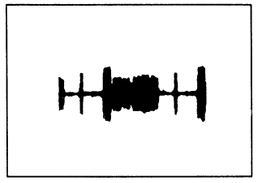
0.4 Vp-p

WF6 **IC4-20**



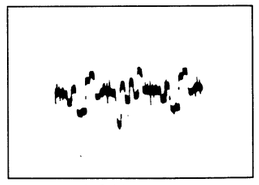
0.8 Vp-p

WF7 **IC4-18**



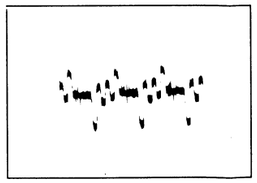
0.8 Vp-p

WF8 **IC4-1**



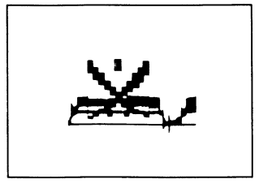
0.2 Vp-p

WF9 **IC4-79**



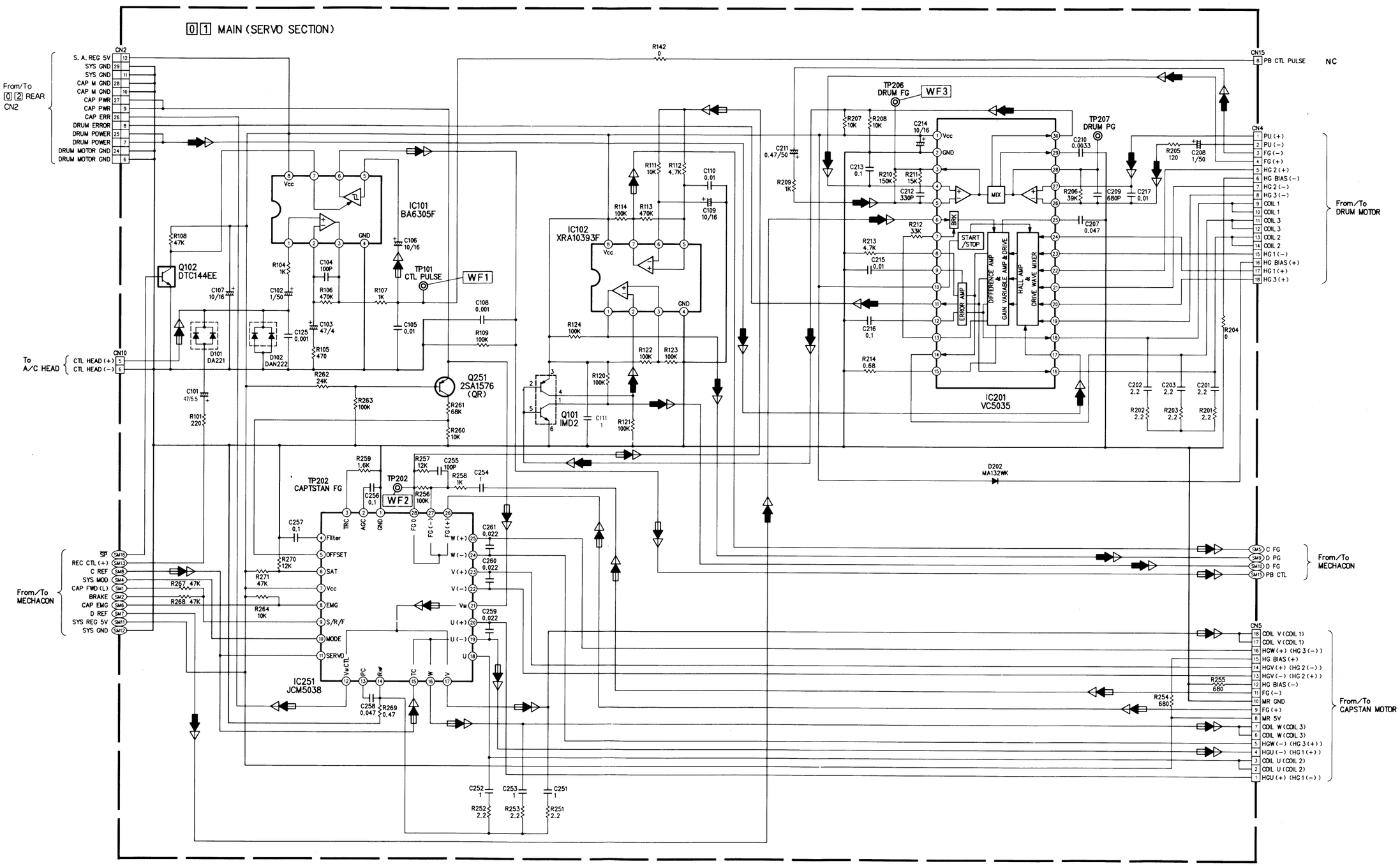
0.3 Vp-p

WF10 **TP3**

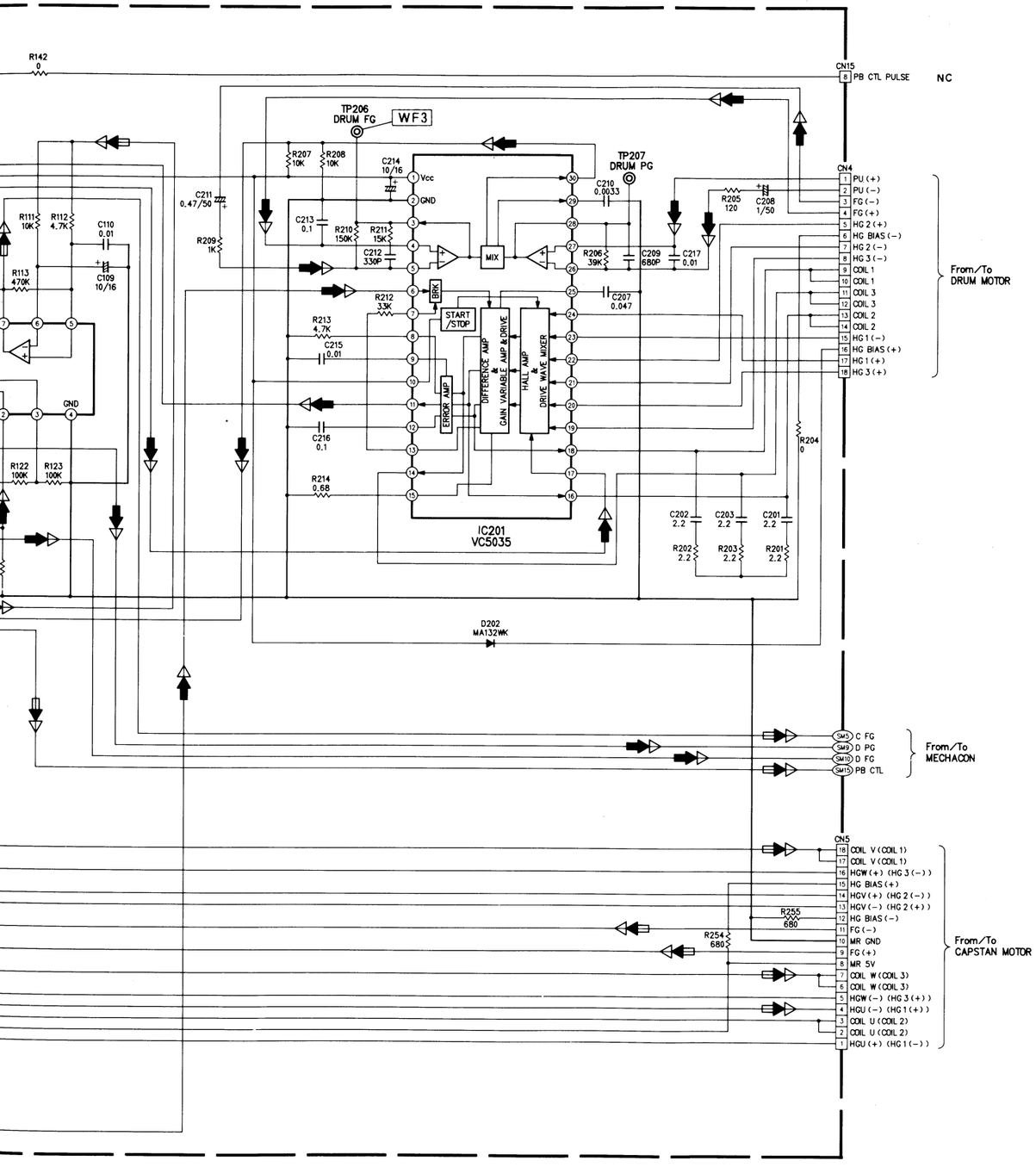


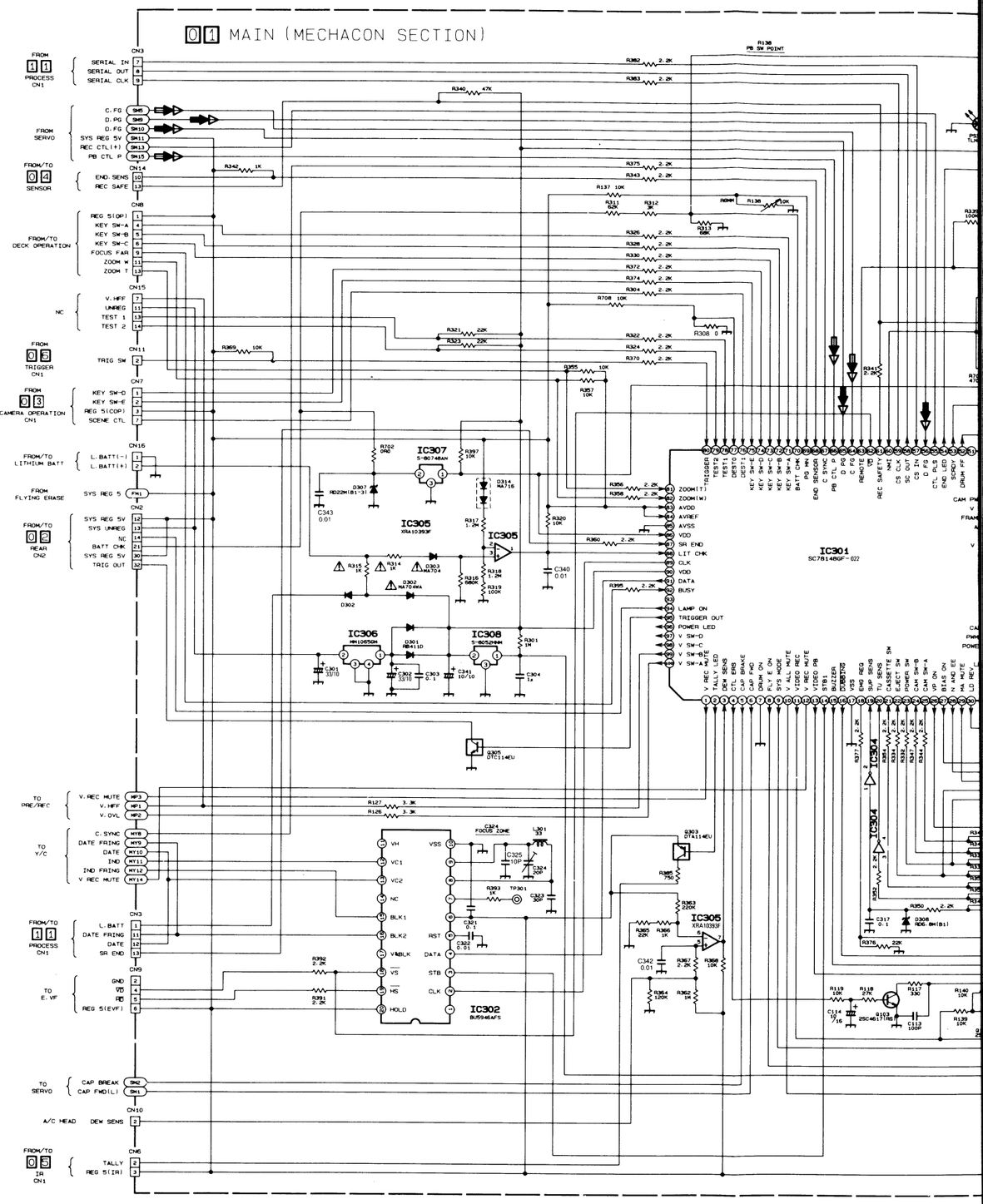
7.0 Vp-p

Servo
Servo

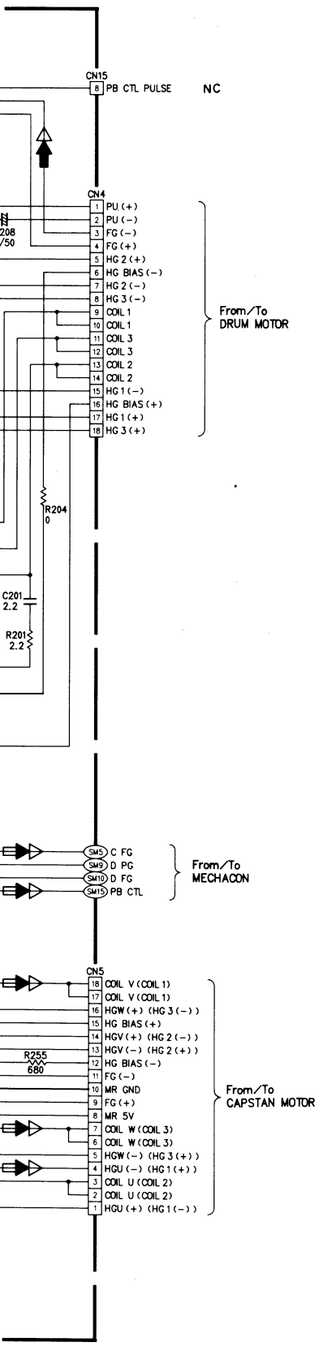

01 MAIN (SERVO SECTION)
CN2
S. A. REG 5V 12
SYS GND 29
SYS GND 11
CAP M GND 28
CAP M GND 10
CAP PWR 27
CAP PWR 9
CAP ERR 26
DRUM ERROR 8
DRUM POWER 25
DRUM POWER 7
DRUM MOTOR GND 24
DRUM MOTOR GND 6
From/To 02 REAR CN2
R142 0
CN15
8 PB CTL PULSE
NC
TP206 DRUM FG
WF3
TP207 DRUM PG
CN4
1 PU (+)
2 PU (−)
3 FG (−)
4 FG (+)
5 HG 2 (+)
6 HG BIAS (−)
7 HG 2 (−)
8 HG 3 (−)
9 COIL 1
10 COIL 1
11 COIL 3
12 COIL 3
13 COIL 2
14 COIL 2
15 HG 1 (−)
16 HG BIAS (+)
17 HG 1 (+)
18 HG 3 (+)
From/To DRUM MOTOR
IC101 BA6305F
IC102 XRA10393F
IC201 VC5035
MIX
BRK
START /STOP
ERROR AMP
DIFFERENCE AMP & GAIN VARIABLE AMP & DRIVE
HALL AMP & DRIVE WAVE MIXER
Q102 DTC144EE
Q251 2SA1576 (QR)
Q101 IMD2
D101 DA221
D102 DAN222
D202 MA132WK
To A/C HEAD
CN10
CTL HEAD (+) 5
CTL HEAD (−) 6
TP101 CTL PULSE
WF1
TP202 CAPTSTAN FG
WF2
IC251 JCM5038
From/To MECHACON
SP SM16
REC CTL (+) SM13
C REF SM8
SYS MOD SM4
CAP FWD (L) SM1
BRAKE SM2
CAP EMG SM6
D REF SM7
SYS REG 5V SM11
SYS GND SM12
SM5 C FG
SM9 D PG
SM10 D FG
SM15 PB CTL
From/To MECHACON
CN5
18 COIL V (COIL 1)
17 COIL V (COIL 1)
16 HGW (+) (HG 3 (−))
15 HG BIAS (+)
14 HGV (+) (HG 2 (−))
13 HGV (−) (HG 2 (+))
12 HG BIAS (−)
11 FG (−)
10 MR GND
9 FG (+)
8 MR 5V
7 COIL W (COIL 3)
6 COIL W (COIL 3)
5 HGW (−) (HG 3 (+))
4 HGU (−) (HG 1 (+))
3 COIL U (COIL 2)
2 COIL U (COIL 2)
1 HGU (+) (HG 1 (−))
From/To CAPSTAN MOTOR

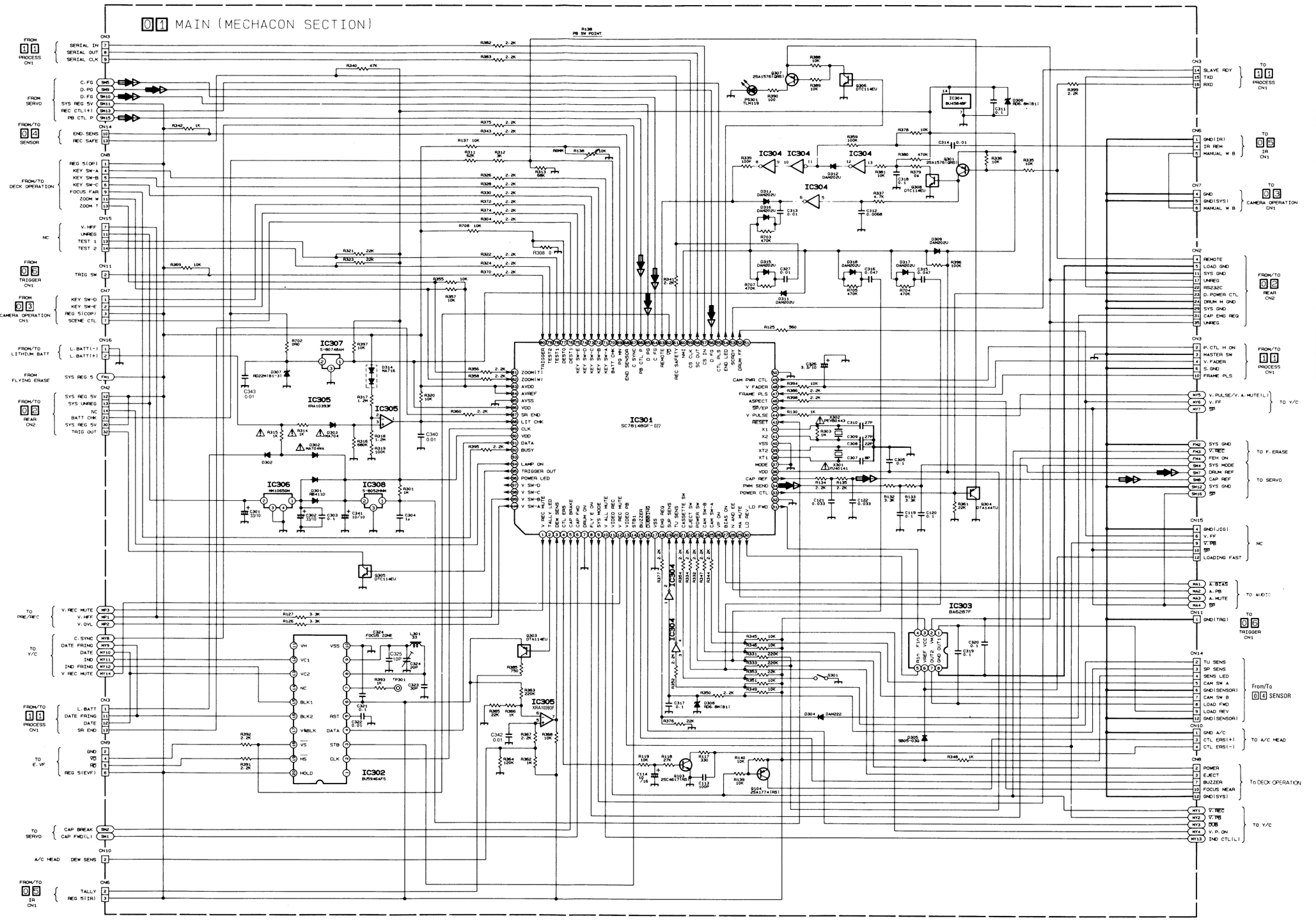
Mechanik-Steuerung
Mechacon

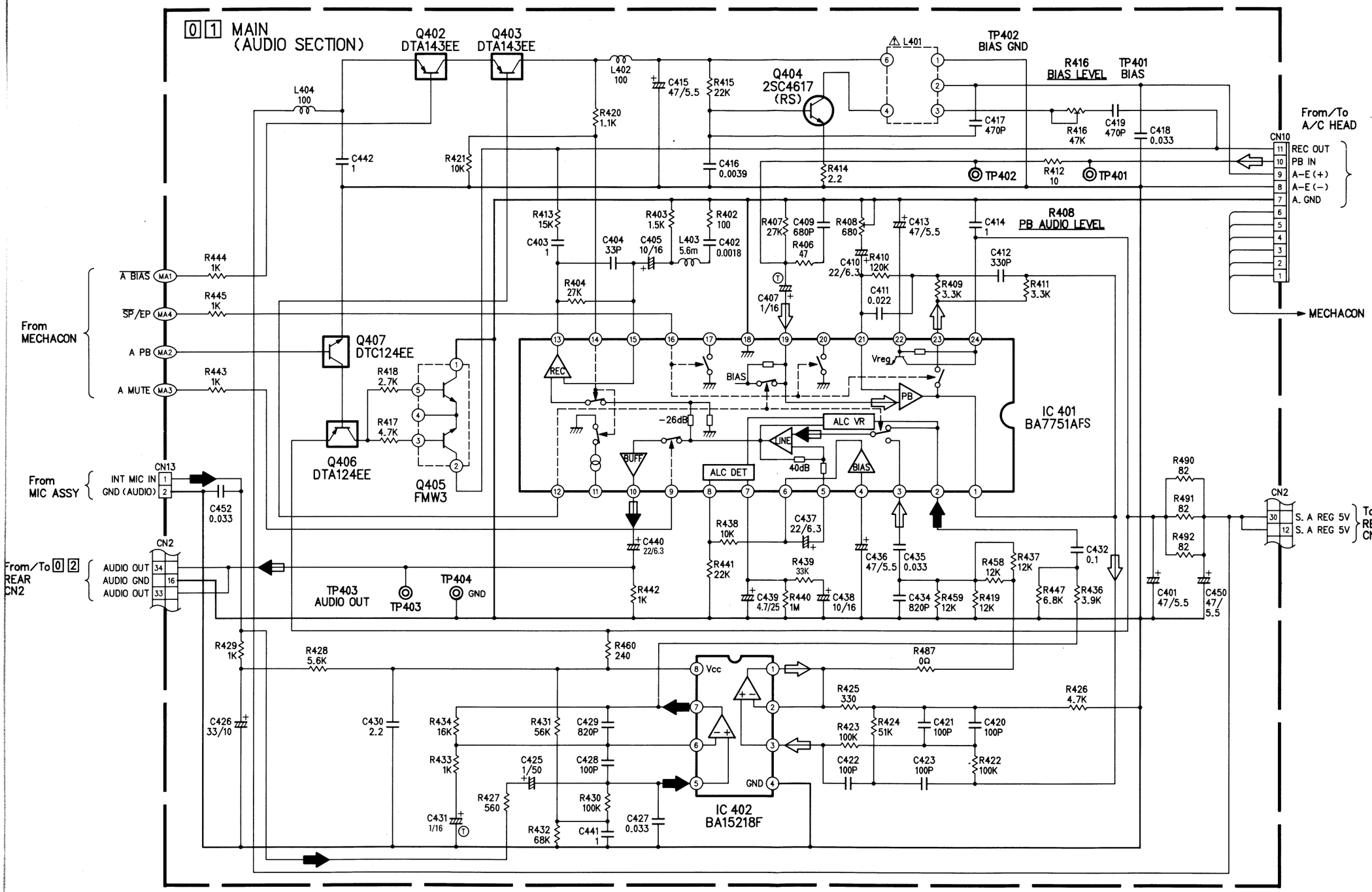


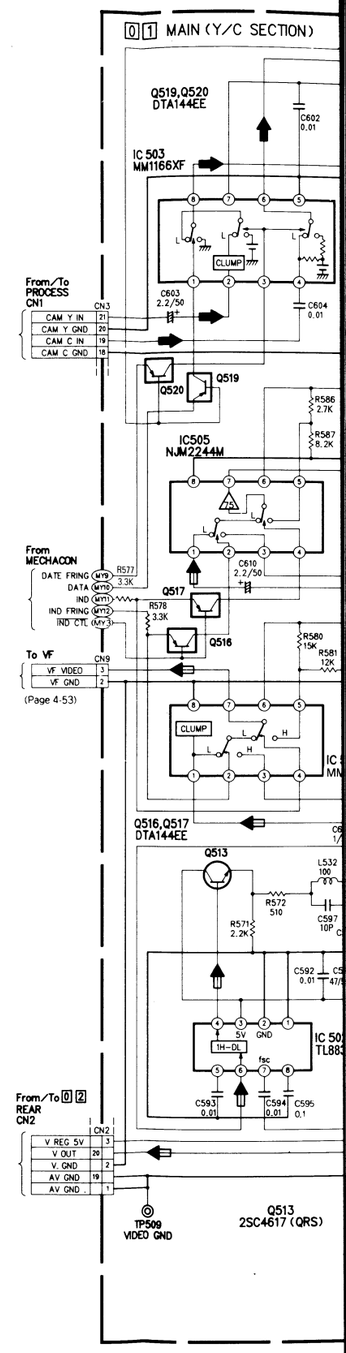


Mechanik-Steuerung
Mechacon



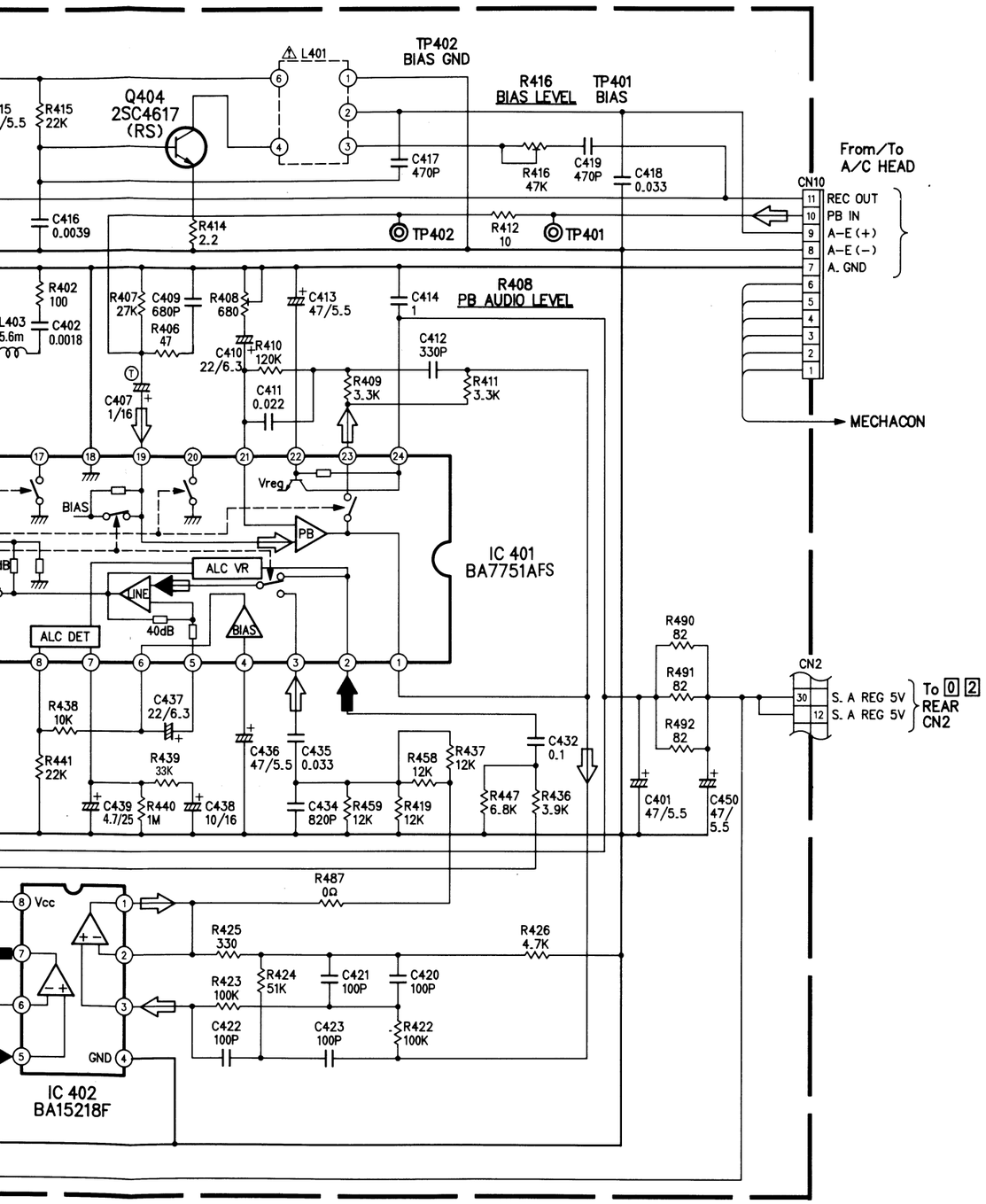


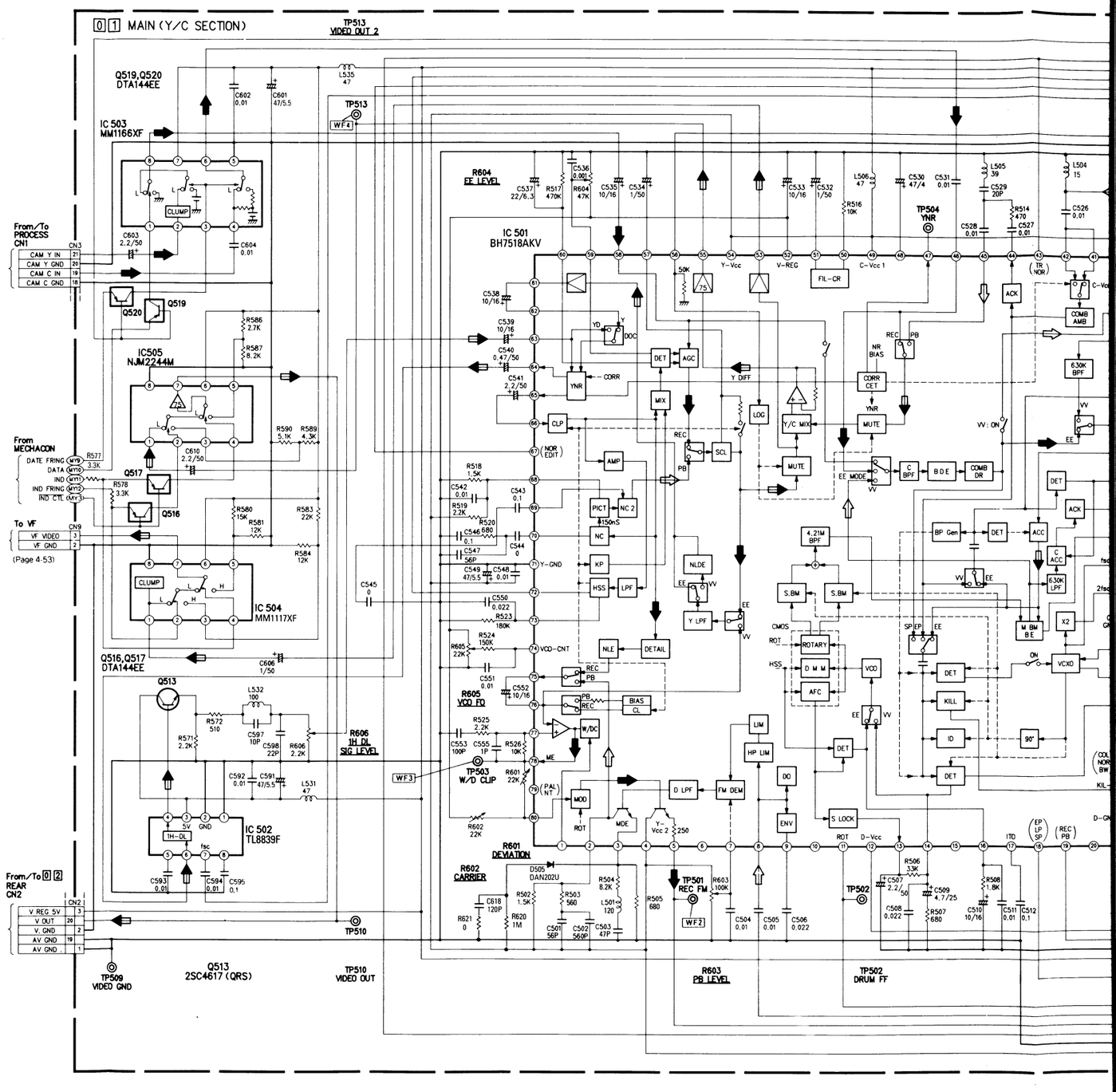

0 1 MAIN (AUDIO SECTION)
Q402 DTA143EE
Q403 DTA143EE
L404 100
L402 100
C415 47/5.5
R415 22K
Q404 2SC4617 (RS)
L401
TP402 BIAS GND
R416 BIAS LEVEL
TP401 BIAS
C417 470P
R416 47K
C419 470P
C418 0.033
From/To A/C HEAD
CN10
REC OUT
PB IN
A-E (+)
A-E (-)
A. GND
R420 1.1K
C442 1
R421 10K
C416 0.0039
R414 2.2
TP402
R412 10
TP401
R413 15K
C403 1
R403 1.5K
R402 100
C404 33P
C405 10/16
L403 5.6m
C402 0.0018
R407 27K
C409 680P
R408 680
C413 47/5.5
C414 1
R408 PB AUDIO LEVEL
R406 47
C410 22/6.3
R410 120K
C412 330P
R404 27K
C407 1/16
C411 0.022
R409 3.3K
R411 3.3K
From MECHACON
A BIAS MA1
SP/EP MA4
A PB MA2
A MUTE MA3
R444 1K
R445 1K
R443 1K
Q407 DTC124EE
R418 2.7K
R417 4.7K
Q406 DTA124EE
Q405 FMW3
REC
BIAS
Vreg
PB
ALC VR
-26dB
LINE
BUFF
ALC DET
40dB
BIAS
IC 401 BA7751AFS
MECHACON
CN13
From MIC ASSY
INT MIC IN 1
GND (AUDIO) 2
C452 0.033
CN2
From/To 0 2 REAR CN2
AUDIO OUT 34
AUDIO GND 16
AUDIO OUT 33
TP403 AUDIO OUT
TP403
TP404
GND
R490 82
R491 82
R492 82
CN2
30 S. A REG 5V
12 S. A REG 5V
To 0 2 REAR CN2
C401 47/5.5
C450 47/5.5
R438 10K
R441 22K
C437 22/6.3
R439 33K
C439 4.7/25
R440 1M
C438 10/16
C440 22/6.3
R442 1K
C436 47/5.5
C435 0.033
C434 820P
R459 12K
R458 12K
R419 12K
R437 12K
R447 6.8K
R436 3.9K
C432 0.1
R429 1K
R428 5.6K
R460 240
R487 0Ω
C426 33/10
C430 2.2
R434 16K
R431 56K
C429 820P
R433 1K
C425 1/50
C428 100P
R427 560
R430 100K
C431 1/16
R432 68K
C441 1
C427 0.033
Vcc
GND
IC 402 BA15218F
R425 330
R426 4.7K
R423 100K
R424 51K
C421 100P
C420 100P
C422 100P
C423 100P
R422 100K


0 1 MAIN (Y/C SECTION)
Q519,Q520 DTA144EE
C602 0.01
IC 503 MM1166XF
CLUMP
From/To PROCESS CN1
CN3
CAM Y IN 21
CAM Y GND 20
CAM C IN 19
CAM C GND 18
C603 2.2/50
C604 0.01
Q519
Q520
R586 2.7K
R587 8.2K
IC505 NJM2244M
C610 2.2/50
From MECHACON
DATE FRING MY0
DATA MY1
IND MY2
IND FRING MY3
IND CTL MY4
R577 3.3K
Q517
R578 3.3K
Q516
To VF
CN9
VF VIDEO 3
VF GND 2
(Page 4-53)
R580 15K
R581 12K
CLUMP
Q516,Q517 DTA144EE
Q513
L532 100
R572 510
C597 10P
R571 2.2K
C592 0.01
5V
GND
1H-DL
fsc
C593 0.01
C594 0.01
C595 0.1
From/To 0 2 REAR CN2
CN2
V REG 5V 3
V OUT 29
V GND 2
AV GND 19
AV GND 1
TP509 VIDEO GND
Q513 2SC4617 (QRS)

Video (Y/C)

Video (Y/C)





Video (Y/C)

Video (Y/C)

0 1 MAIN (Y/C SECTION)

From/To A/C HEAD
CN10
11 REC OUT
10 PB IN
9 A-E (+)
8 A-E (-)
7 A. GND
6
5
4
3
2
1
→ MECHACON

CN2
30 S. A REG 5V
12 S. A REG 5V
} To 0 2 REAR CN2

From/To PROCESS CN1
CN3
CAM Y IN 21
CAM Y GND 20
CAM C IN 19
CAM C GND 18

From MECHACON
DATE FRING MY8 R577 3.3K
DATA MY9
IND MY11 R578 3.3K
IND FRING MY12
IND CTL MY13

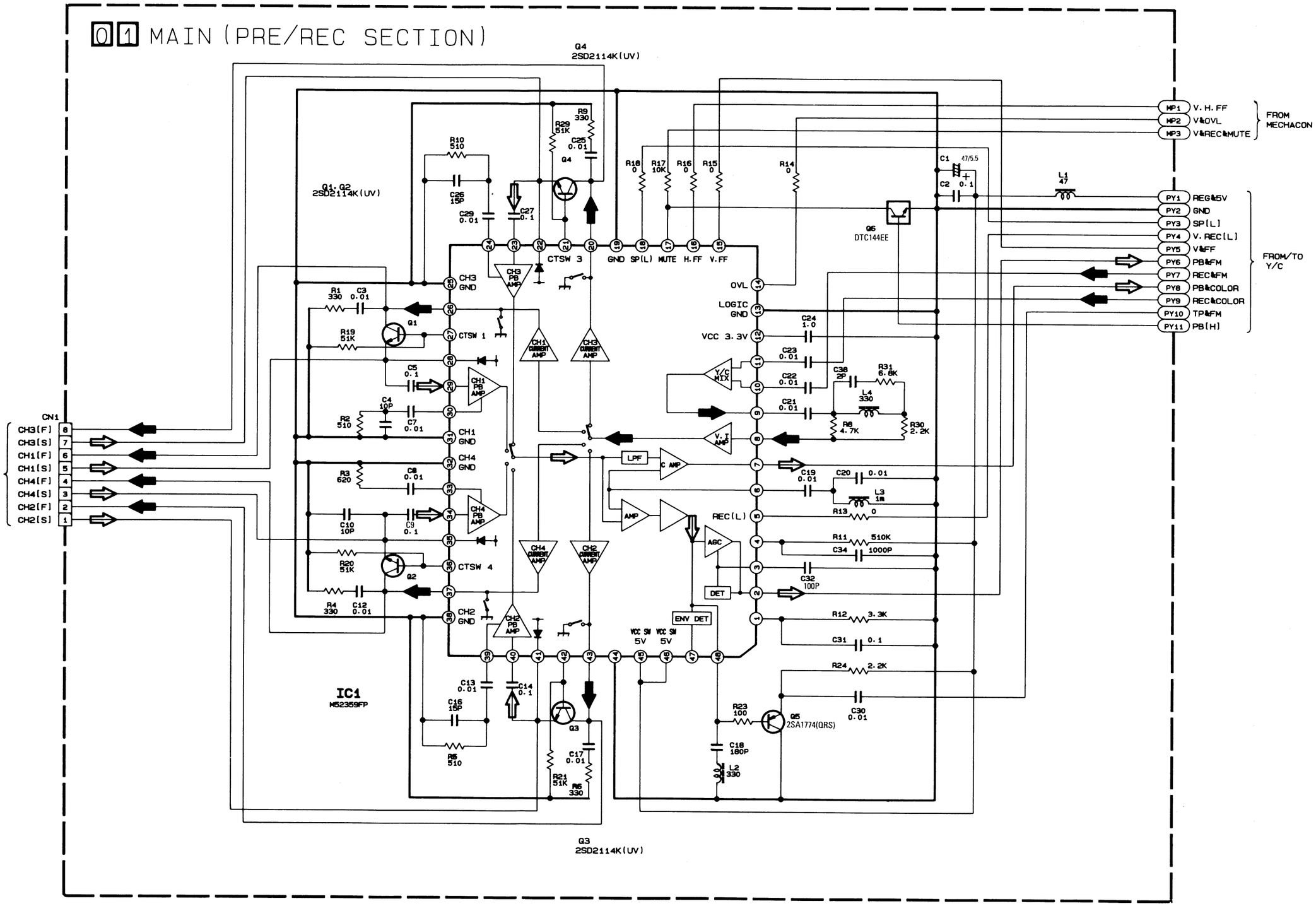
To VF CN9
VF VIDEO 3
VF GND 2
(Page 4-53)

From/To 0 2 REAR CN2
CN2
V REG 5V 3
V OUT 20
V. GND 2
AV GND 19
AV GND 1

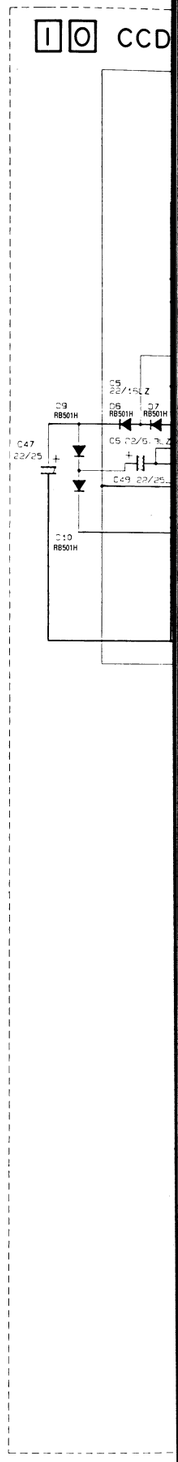
From/To MECHACON
Y REC
Y PB
EDIT
Y PULSE ON
Y PULSE
V FF
PB
C SYNC
V REC MUTE

TP513 VIDEO OUT 2
TP513 WF4
Q519,Q520 DTA144EE
IC 503 MM1166XF
CLUMP
Q519
Q520
IC505 NJM2244M
Q517
Q516
IC 504 MM1117XF
Q516,Q517 DTA144EE
Q513
IC 502 TL8839F
1H-DL
Q513 2SC4617 (QRS)
TP509 VIDEO GND
TP510 VIDEO OUT
R606 1H DL SIG LEVEL
TP503 W/D CLIP
WF3
R604 EE LEVEL
IC 501 BH7518AKV
TP504 YNR
R605 VCO FO
R601 DEVIATION
R602 CARRIER
TP501 REC FM
WF2
R603 PB LEVEL
TP502
TP502 DRUM FF
TP506 VCO
WF1
TP511 VCO (H)
TP505 B/W
TP507 REC COLOR
TP512 REC COLOR
R609 REC COLOR LEVEL
TP507
Q514 2SA1577 (QR)
Q515 2SC4617 (QRS)
Q509,Q511 2SC4617 (QRS)
Q509
Q511
Q508
Q506
Q508 2SA1774 (QRS)
Q506 2SC4617 (QRS)
R608 VIDEO EQ
D502 DAN202U
OPEN
Q504 2SC4617 (QRS)
X501
CN15 NC
C B/W
GND
NC
C KILLER
TP FM
From/To PRE/REC
REC 5V
GND
SP
V REC
V FF
PB FM
REC FM
PB COL
REC COL
TP FM
PB (H)
PB 5V

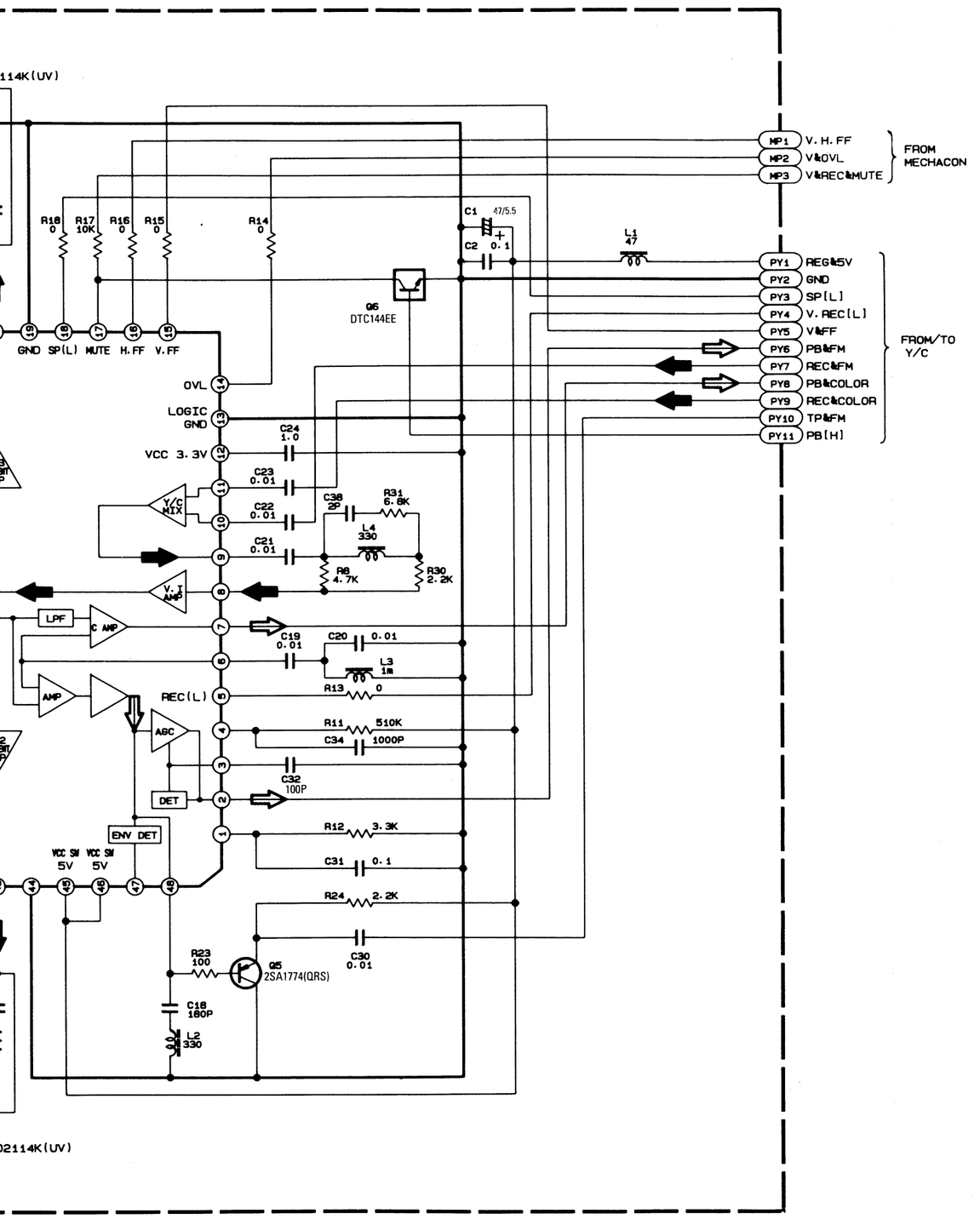
Vor- und Aufnahmeverstärker
Pre- and record amplifier

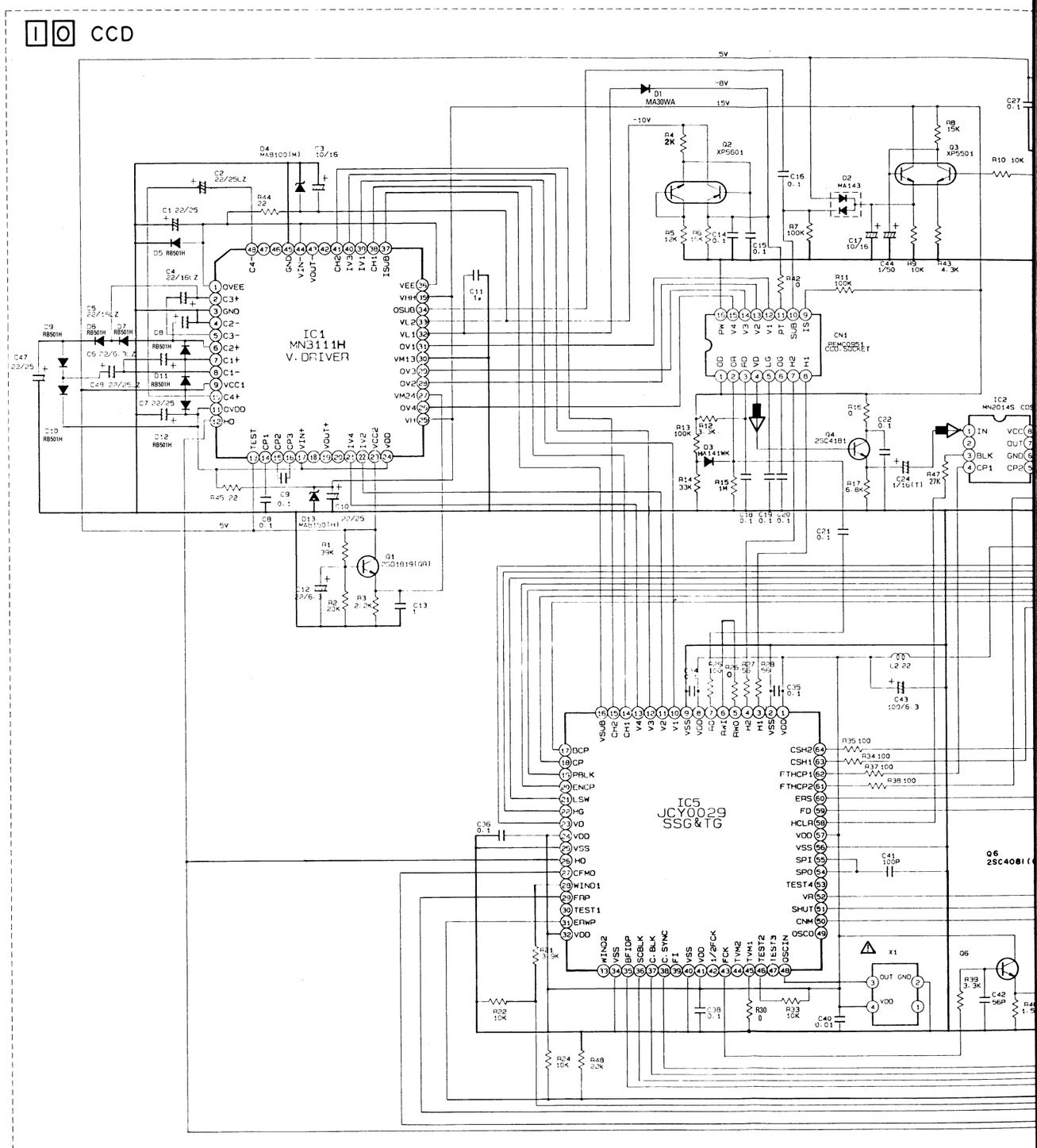


CCD-Bildwan
CCD imager

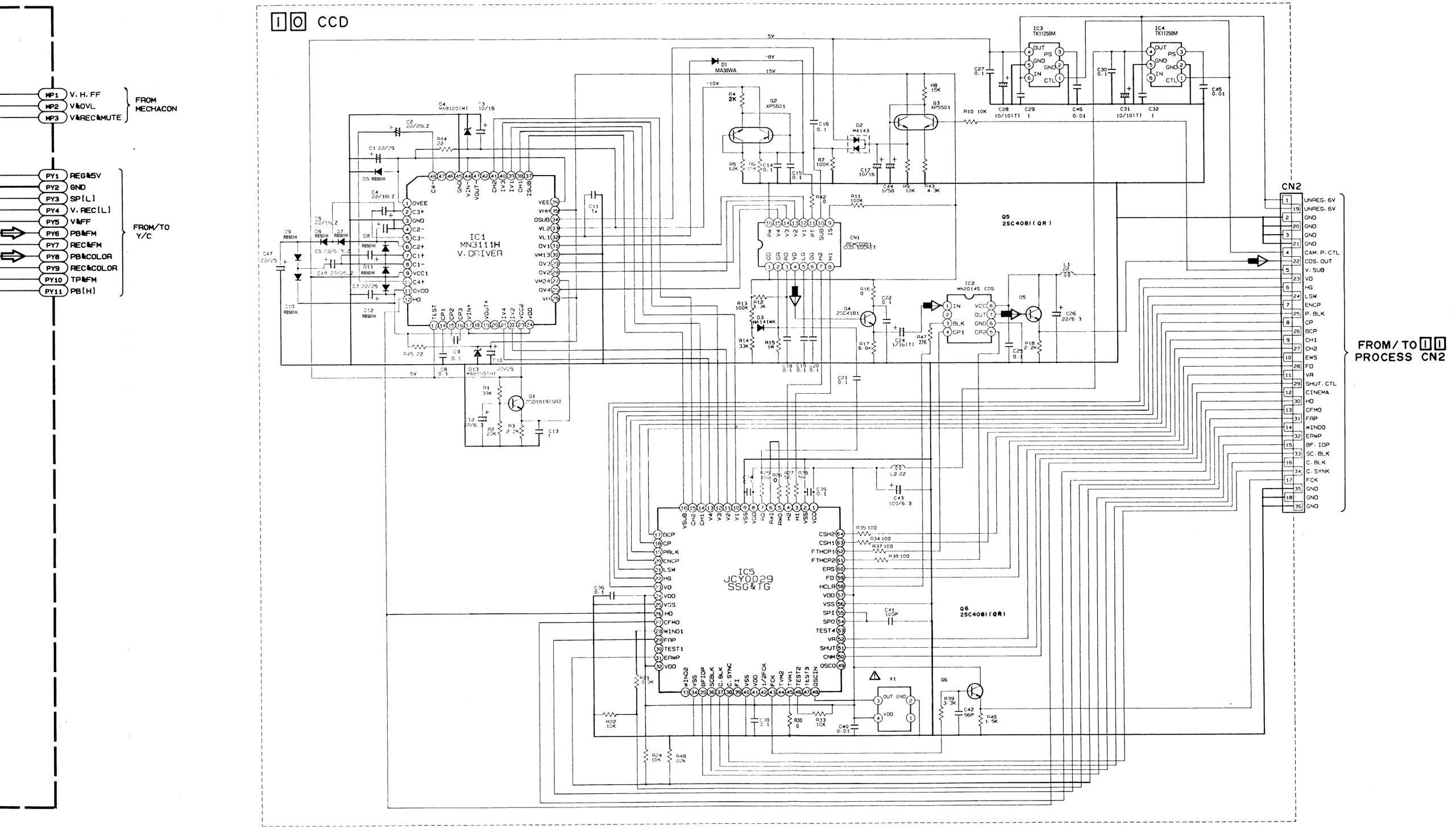


CCD-Bildwandler
CCD imager





CCD-Bildwandler
CCD imager



0 1 MAIN (AUDIO SECTION)

Q402 DTA143EE
Q403 DTA143EE
Q404 2SC4617 (RS)
Q406 DTA124EE
Q405 FMW3
Q407 DTC124EE

IC 401 BA7751AFS
IC 402 BA15218F

TP402 BIAS GND
TP401 BIAS
TP402
TP401
TP403 AUDIO OUT
TP403
TP404
GND

R416 BIAS LEVEL
R408 PB AUDIO LEVEL

From/To A/C HEAD
CN10
11 REC OUT
10 PB IN
9 A-E (+)
8 A-E (-)
7 A. GND
MECHACON

From MECHACON
A BIAS (MA1)
SP/EP (MA4)
A PB (MA2)
A MUTE (MA3)

From MIC ASSY
CN13
INT MIC IN 1
GND (AUDIO) 2

From/To 0 2 REAR CN2
CN2
AUDIO OUT 34
AUDIO GND 16
AUDIO OUT 33

To 0 2 REAR CN2
CN2
30 S. A REG 5V
12 S. A REG 5V

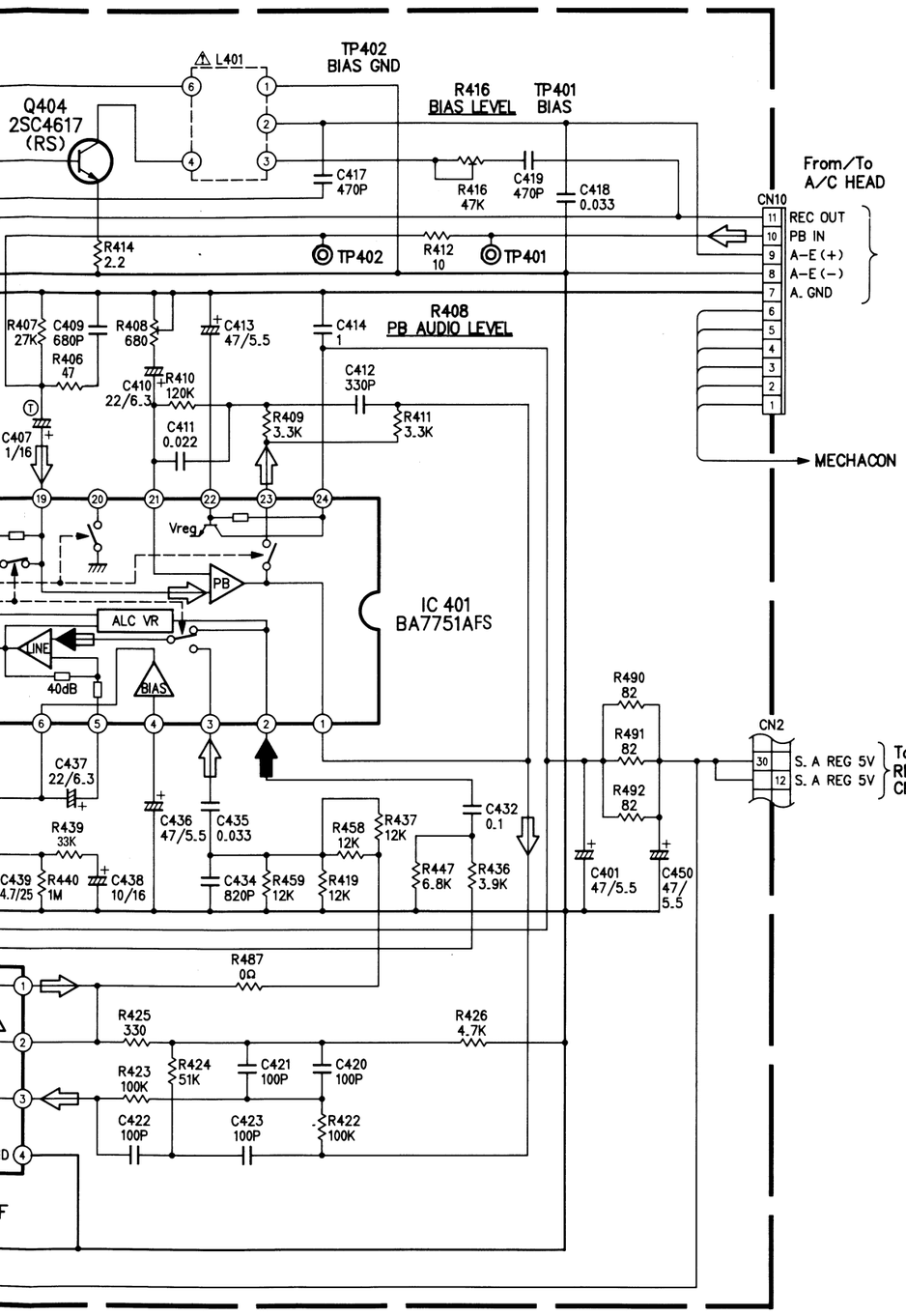
L401 L402 100 L404 100
C415 47/5.5 R415 22K R420 1.1K
C442 1 R421 10K C416 0.0039 R414 2.2
C417 470P R416 47K C419 470P C418 0.033 R412 10
R444 1K R445 1K R443 1K
R413 15K C403 1 R403 1.5K C404 33P C405 10/16 L403 5.6m R402 100 C402 0.0018
R407 27K C409 680P R406 47 R408 680 C410 22/6.3 R410 120K C413 47/5.5 C414 1 C412 330P C411 0.022 R409 3.3K R411 3.3K
R404 27K C407 1/16
R418 2.7K R417 4.7K
REC BIAS PB Vreg ALC VR LINE -26dB BUFF ALC DET 40dB BIAS
R438 10K R441 22K C437 22/6.3 R439 33K C439 4.7/25 R440 1M C438 10/16 C436 47/5.5 C435 0.033 C434 820P R458 12K R459 12K R437 12K R419 12K R447 6.8K C432 0.1 R436 3.9K
C440 22/6.3 R442 1K
R490 82 R491 82 R492 82
C401 47/5.5 C450 47/5.5
R429 1K R428 5.6K R460 240 R487 0Ω
C426 33/10 C430 2.2
R434 16K R431 56K C429 820P R433 1K C425 1/50 C428 100P R427 560 R430 100K C431 1/16 R432 68K C441 1 C427 0.033
R425 330 R426 4.7K R423 100K R424 51K C421 100P C420 100P C422 100P C423 100P R422 100K
Vcc GND

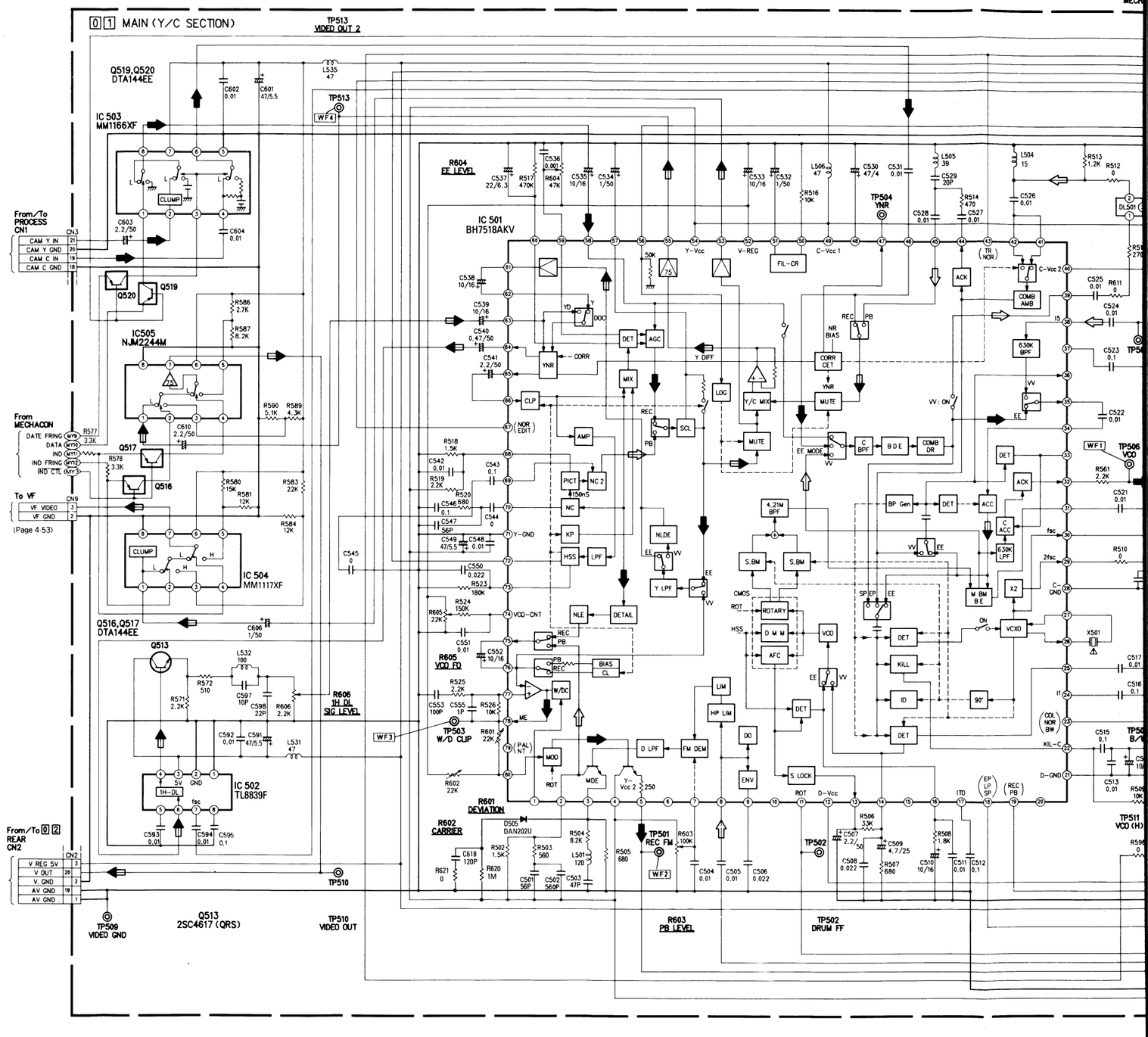
0 1 MAIN (Y/C SECTION)

Q519,Q520 DTA144EE
IC 503 MM1166XF
CLUMP
From/To PROCESS CN1
CN3
21 CAM Y IN
20 CAM Y GND
19 CAM C IN
18 CAM C GND
Q519
Q520
IC505 NJM2244M
From MECHACON
DATE FRING (MY9)
DATA (MY8)
IND (MY7)
IND FRING (MY2)
IND CTL (MY1)
Q517
Q516
To VF
CN9
VF VIDEO 3
VF GND 2
(Page 4:53)
Q516,Q517 DTA144EE
Q513
5V GND
1H-DL
fsc
From/To 0 2 REAR CN2
CN2
V REG 5V 3
V OUT 29
V GND 2
AV GND 19
AV GND 1
TP509 VIDEO GND
Q513 2SC4617 (QRS)

Video (Y/C)

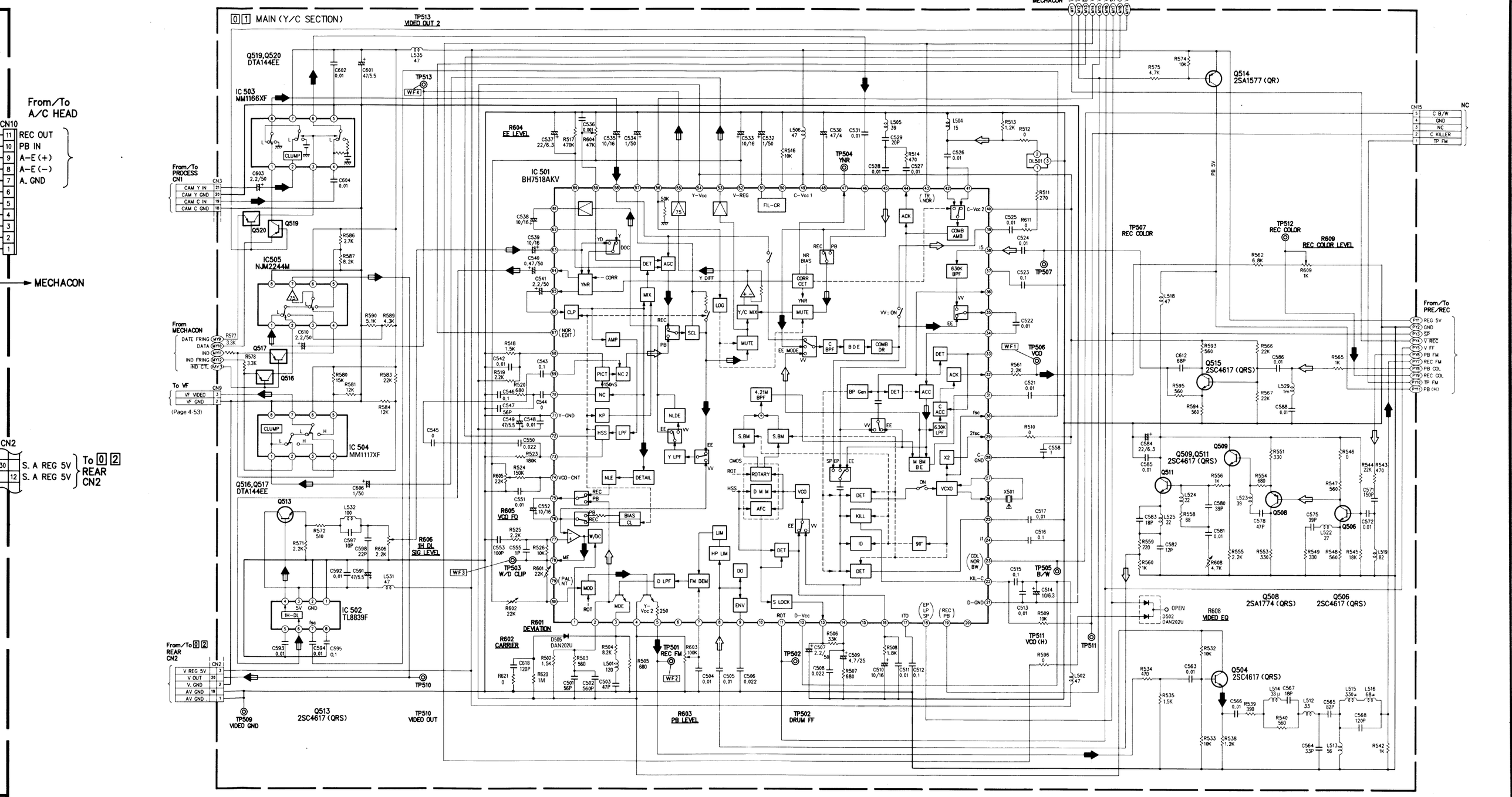
Video (Y/C)



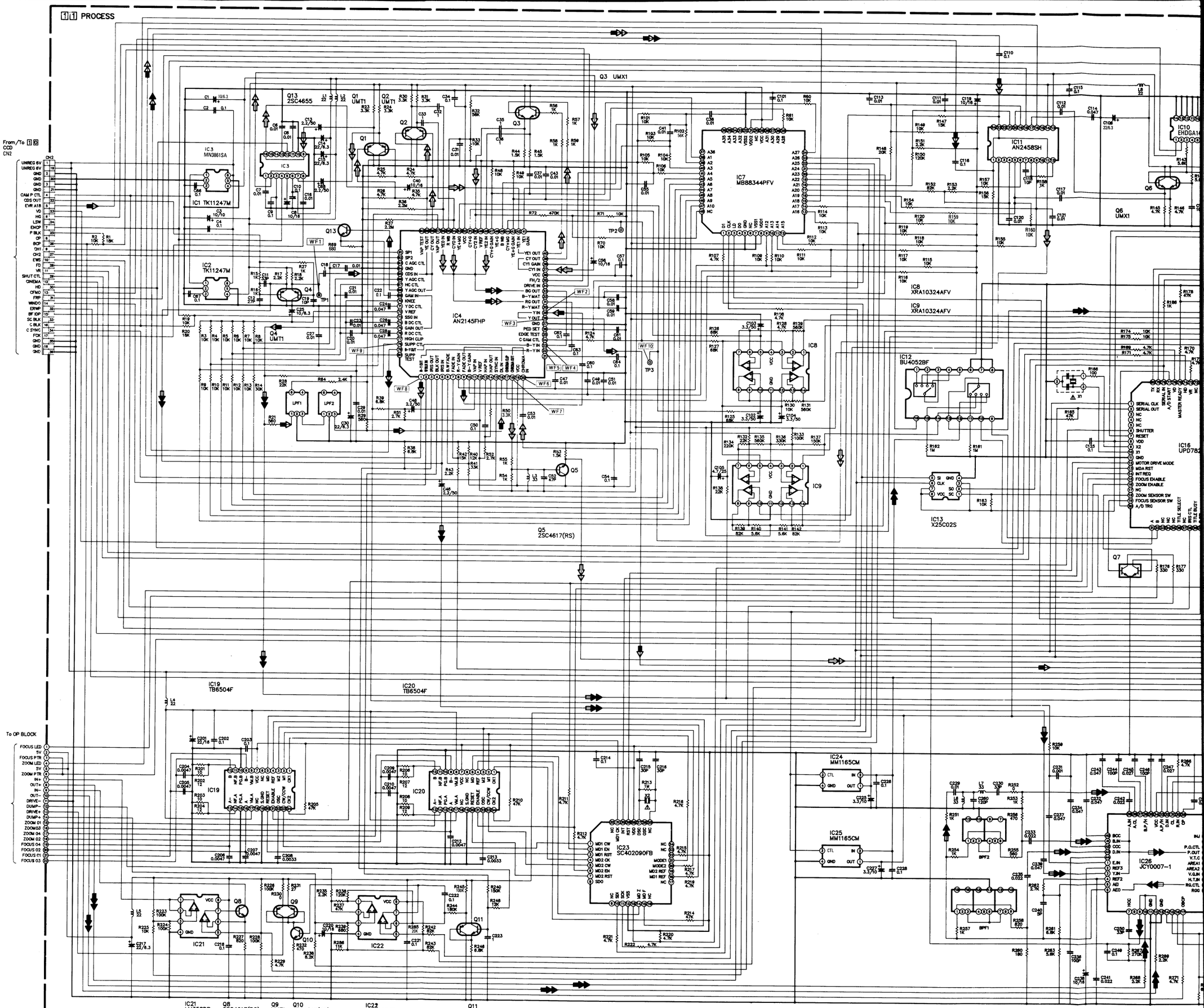


Video (Y/C)

Video (Y/C)

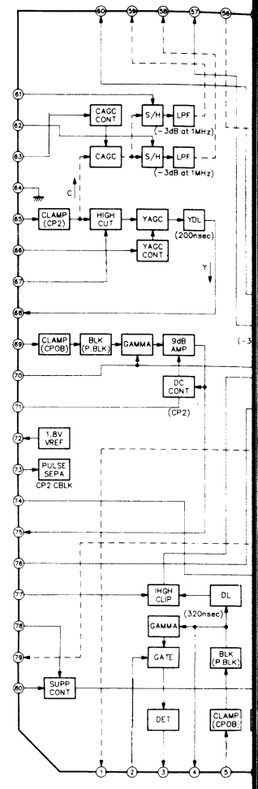


Programmsteuerung
Process

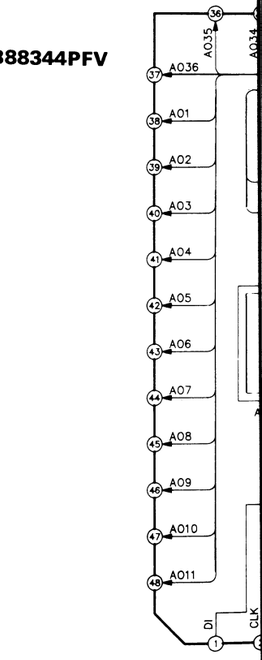


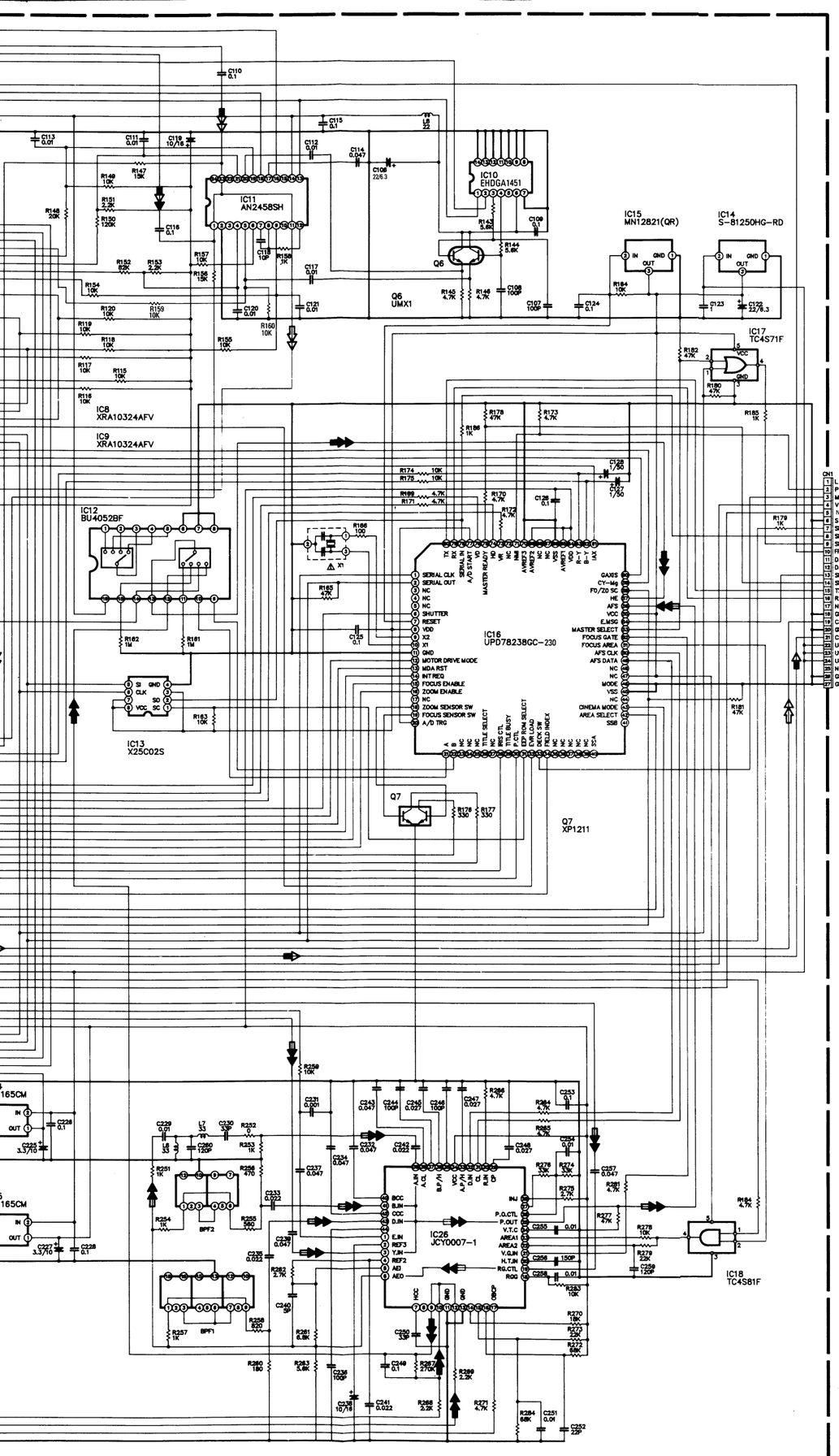
– PROCESS –

IC4 AN2145FHP



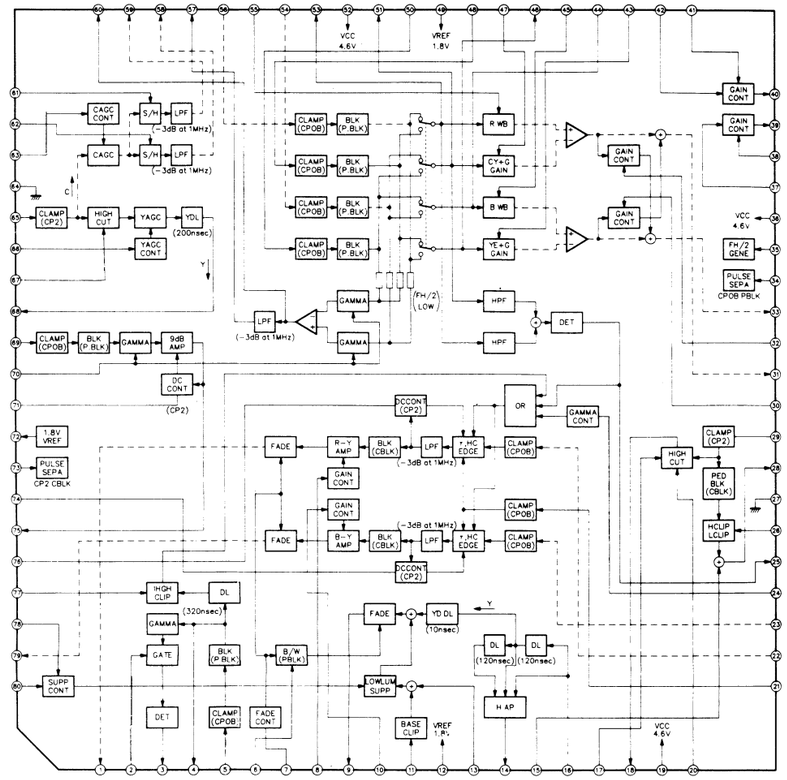
IC7 MB88344PFV



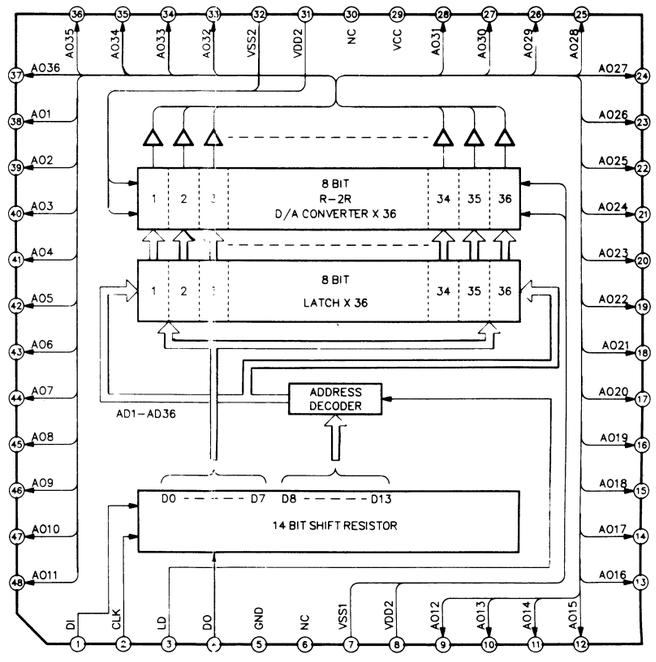


– PROCESS –

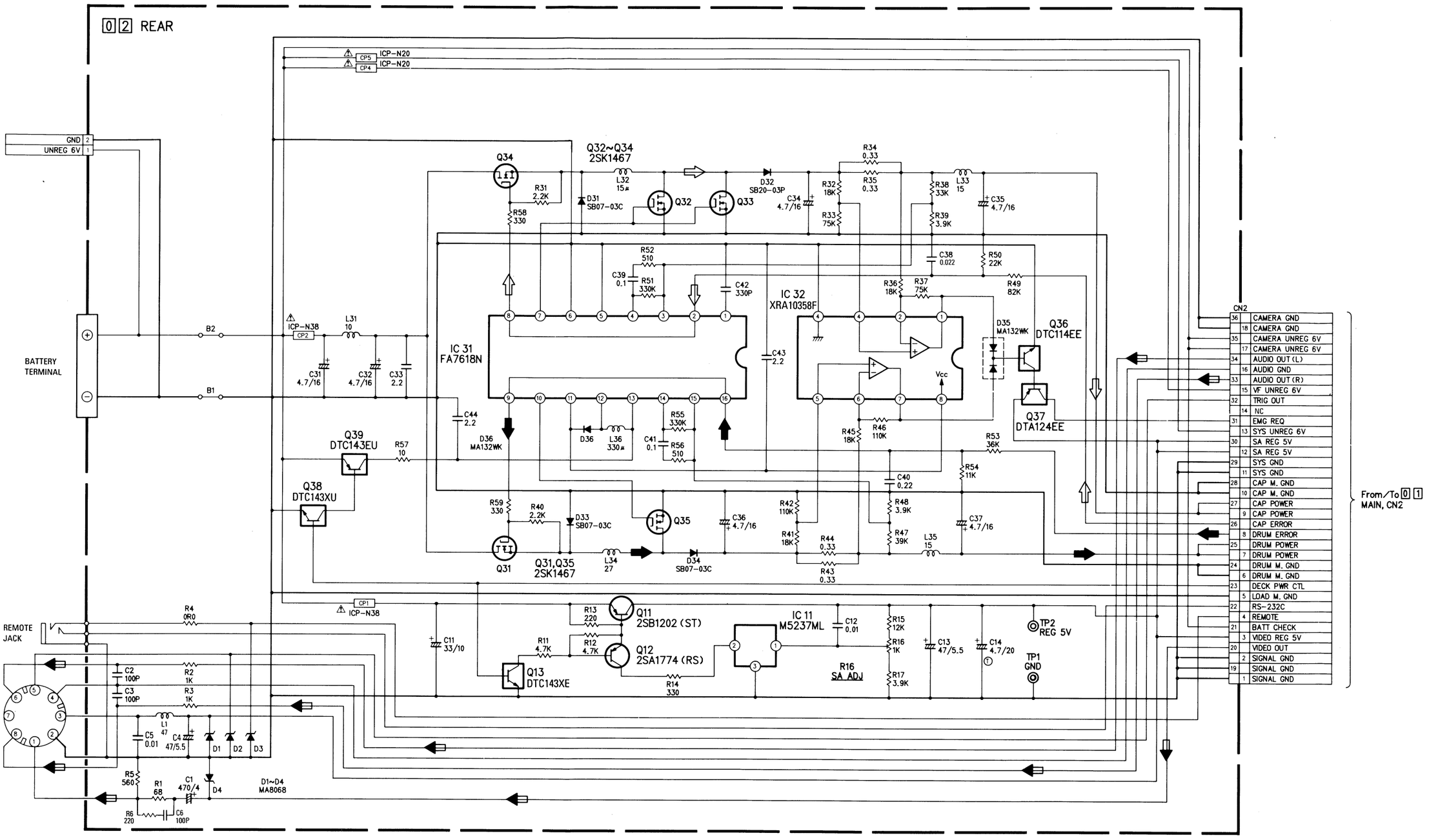
IC4 **AN2145FHP**



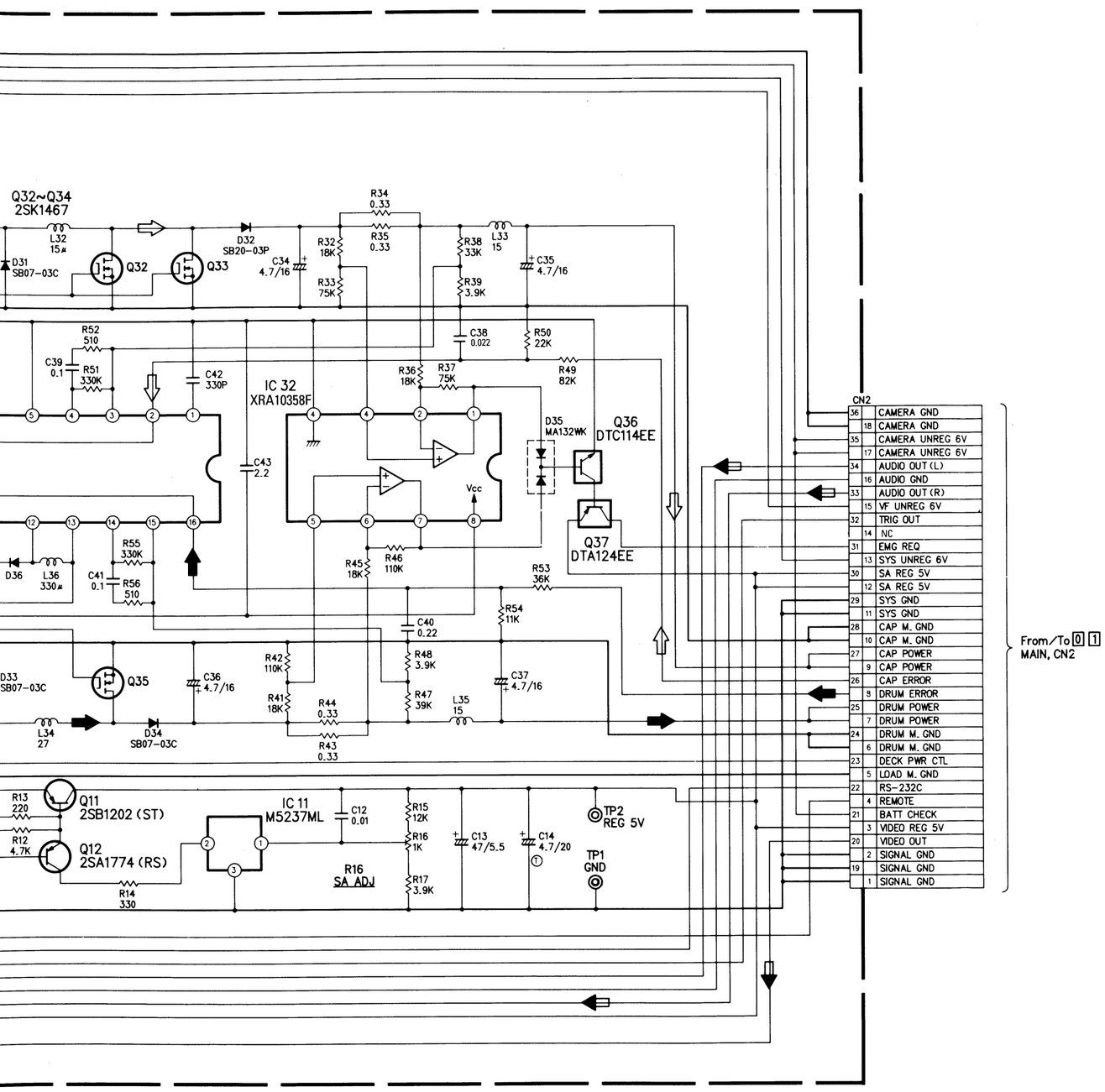
IC7 **MB88344PFV**

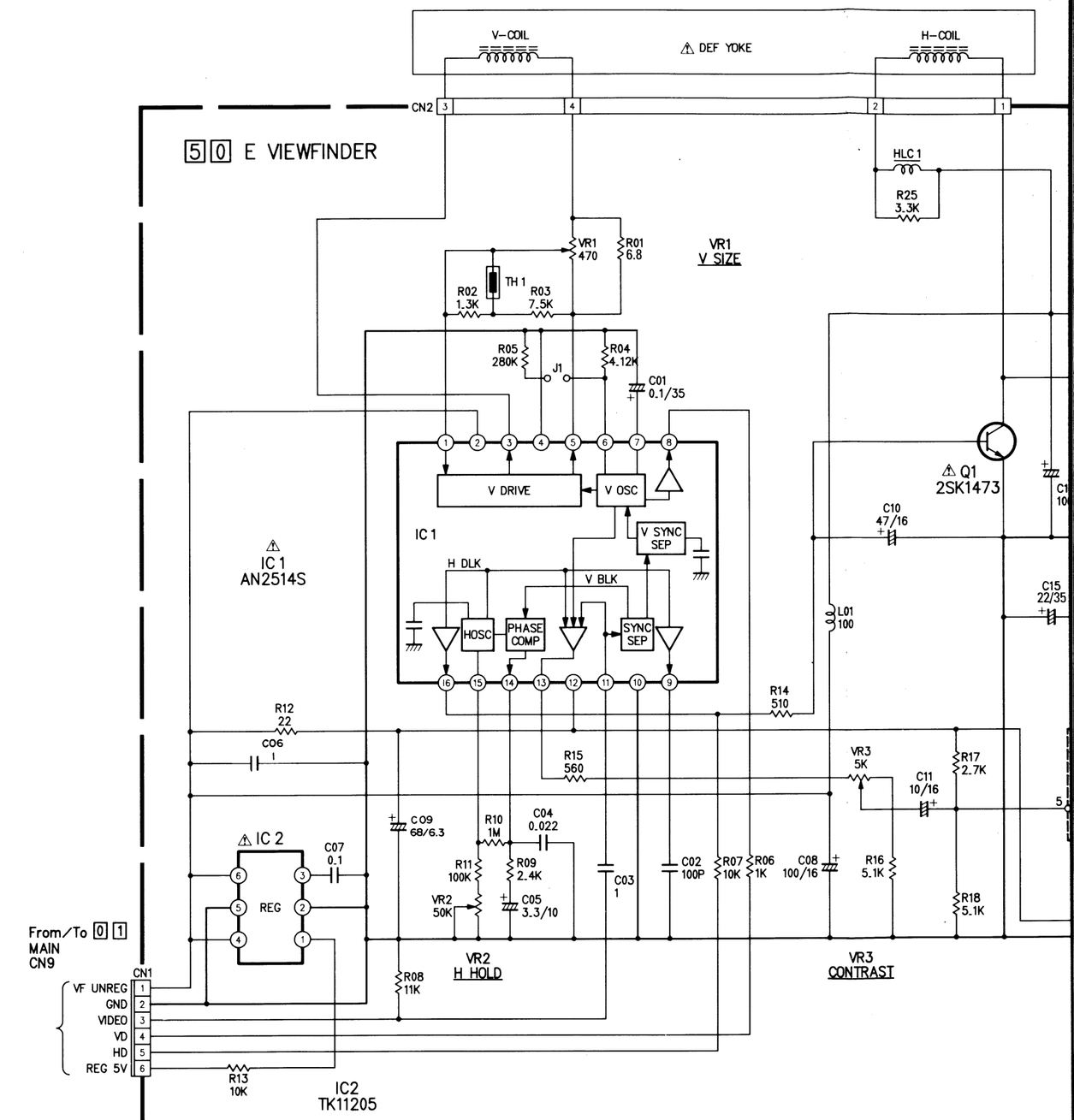


Anschlüsse
Connections

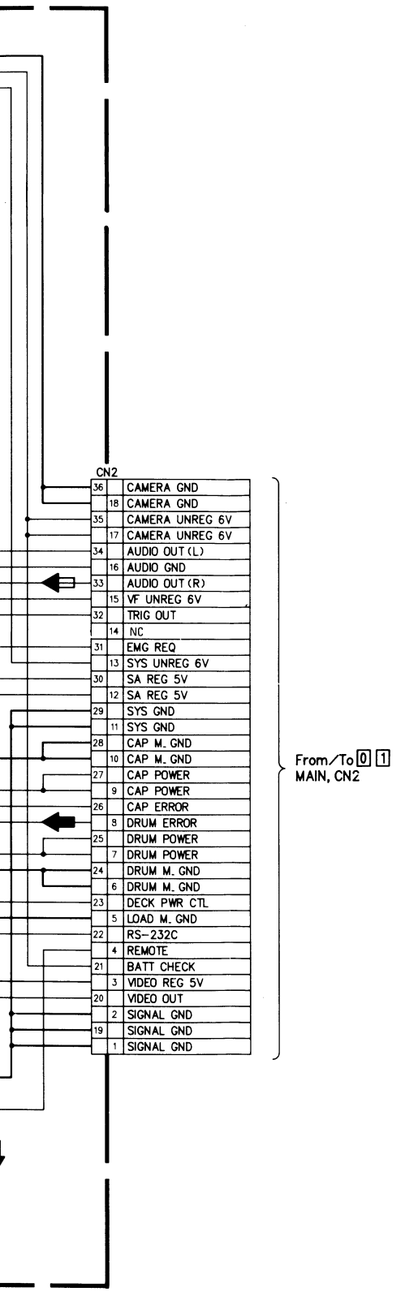


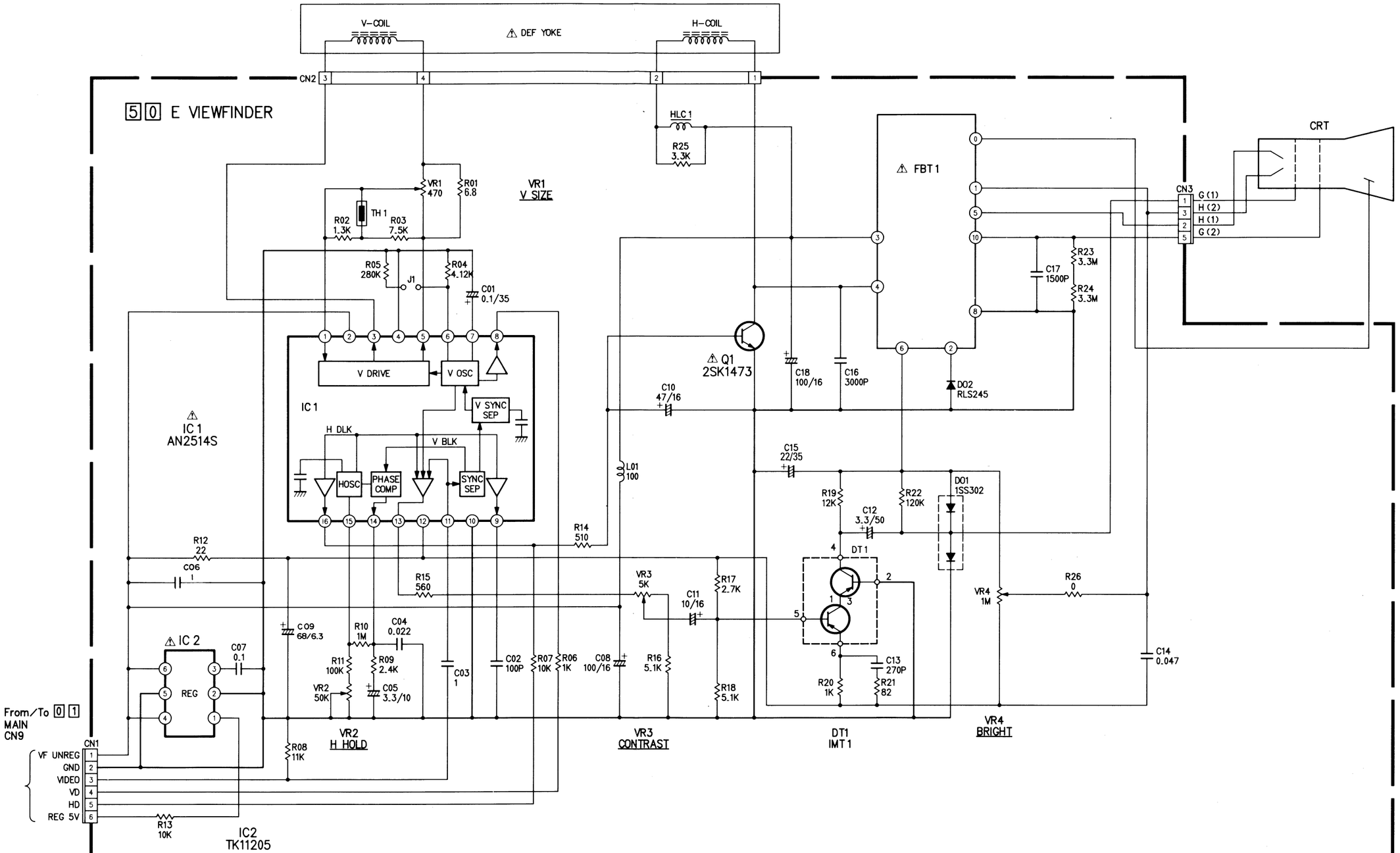
Monitor
EVF


Q32~Q34
2SK1467
D31
SB07-03C
L32
15μ
Q32
Q33
D32
SB20-03P
C34
4.7/16
R32
18K
R33
75K
R34
0.33
R35
0.33
R38
33K
R39
3.9K
L33
15
C35
4.7/16
C38
0.022
R50
22K
R49
82K
R52
510
C39
0.1
R51
330K
C42
330P
IC 32
XRA10358F
R36
18K
R37
75K
D35
MA132WK
Q36
DTC114EE
Q37
DTA124EE
Vcc
C43
2.2
R45
18K
R46
110K
R53
36K
R54
11K
C40
0.22
R55
330K
C41
0.1
R56
510
D36
L36
330μ
R42
110K
R41
18K
R44
0.33
R43
0.33
R48
3.9K
R47
39K
L35
15
C36
4.7/16
C37
4.7/16
Q35
D33
SB07-03C
L34
27
D34
SB07-03C
R13
220
R12
4.7K
Q11
2SB1202 (ST)
Q12
2SA1774 (RS)
R14
330
IC 11
M5237ML
C12
0.01
R15
12K
R16
1K
R17
3.9K
R16
SA ADJ
C13
47/5.5
C14
4.7/20
TP2
REG 5V
TP1
GND
CN2
36 CAMERA GND
18 CAMERA GND
35 CAMERA UNREG 6V
17 CAMERA UNREG 6V
34 AUDIO OUT (L)
16 AUDIO GND
33 AUDIO OUT (R)
15 VF UNREG 6V
32 TRIG OUT
14 NC
31 EMG REQ
13 SYS UNREG 6V
30 SA REG 5V
12 SA REG 5V
29 SYS GND
11 SYS GND
28 CAP M. GND
10 CAP M. GND
27 CAP POWER
9 CAP POWER
26 CAP ERROR
8 DRUM ERROR
25 DRUM POWER
7 DRUM POWER
24 DRUM M. GND
6 DRUM M. GND
23 DECK PWR CTL
5 LOAD M. GND
22 RS-232C
4 REMOTE
21 BATT CHECK
3 VIDEO REG 5V
20 VIDEO OUT
2 SIGNAL GND
19 SIGNAL GND
1 SIGNAL GND
From/To 0 1
MAIN, CN2


V-COIL
⚠ DEF YOKE
H-COIL
CN2
3
4
2
1
5 0 E VIEWFINDER
HLC 1
R25
3.3K
VR1
470
R01
6.8
VR1
V SIZE
R02
1.3K
TH 1
R03
7.5K
R05
280K
J1
R04
4.12K
C01
0.1/35
V DRIVE
V OSC
V SYNC
SEP
IC 1
H DLK
V BLK
HOSC
PHASE
COMP
SYNC
SEP
⚠
IC 1
AN2514S
⚠ Q1
2SK1473
C10
47/16
L01
100
C15
22/35
R12
22
C06
1
R14
510
R15
560
VR3
5K
C11
10/16
R17
2.7K
R18
5.1K
⚠ IC 2
REG
C07
0.1
C09
68/6.3
R10
1M
C04
0.022
R11
100K
VR2
50K
R09
2.4K
C05
3.3/10
C03
1
C02
100P
R07
10K
R06
1K
C08
100/16
R16
5.1K
R08
11K
VR2
H HOLD
VR3
CONTRAST
From/To 0 1
MAIN
CN9
CN1
VF UNREG 1
GND 2
VIDEO 3
VD 4
HD 5
REG 5V 6
R13
10K
IC2
TK11205

Monitor
EVF


CN2
36 CAMERA GND
18 CAMERA GND
35 CAMERA UNREG 6V
17 CAMERA UNREG 6V
34 AUDIO OUT (L)
16 AUDIO GND
33 AUDIO OUT (R)
15 VF UNREG 6V
32 TRIG OUT
14 NC
31 EMG REQ
13 SYS UNREG 6V
30 SA REG 5V
12 SA REG 5V
29 SYS GND
11 SYS GND
28 CAP M. GND
10 CAP M. GND
27 CAP POWER
9 CAP POWER
26 CAP ERROR
8 DRUM ERROR
25 DRUM POWER
7 DRUM POWER
24 DRUM M. GND
6 DRUM M. GND
23 DECK PWR CTL
5 LOAD M. GND
22 RS-232C
4 REMOTE
21 BATT CHECK
3 VIDEO REG 5V
20 VIDEO OUT
2 SIGNAL GND
19 SIGNAL GND
1 SIGNAL GND
From/To 0 1
MAIN, CN2


50 E VIEWFINDER
V-COIL
DEF YOKE
H-COIL
CN2
HLC1
R25 3.3K
CRT
FBT1
CN3
G (1)
H (2)
H (1)
G (2)
VR1 470
R01 6.8
VR1 V SIZE
TH1
R02 1.3K
R03 7.5K
R05 280K
R04 4.12K
J1
C01 0.1/35
R23 3.3M
C17 1500P
R24 3.3M
IC1
V DRIVE
V OSC
V SYNC SEP
H DLK
V BLK
HOSC
PHASE COMP
SYNC SEP
IC1 AN2514S
Q1 2SK1473
C18 100/16
C16 3000P
C10 47/16
DO2 RLS245
L01 100
C15 22/35
R19 12K
R22 120K
C12 3.3/50
DO1 1SS302
DT1
R14 510
R12 22
C06 1
R15 560
VR3 5K
C11 10/16
R17 2.7K
R26 0
VR4 1M
C09 68/6.3
R10 1M
C04 0.022
IC2
C07 0.1
REG
R11 100K
R09 2.4K
VR2 50K
C05 3.3/10
C03 1
C02 100P
R07 10K
R06 1K
C08 100/16
R16 5.1K
R18 5.1K
C13 270P
R20 1K
R21 82
C14 0.047
R08 11K
VR2 H HOLD
VR3 CONTRAST
DT1 IMT1
VR4 BRIGHT
From/To 0 1
MAIN CN9
CN1
VF UNREG 1
GND 2
VIDEO 3
VD 4
HD 5
REG 5V 6
R13 10K
IC2 TK11205